

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\  
 Data File : VN060072.D  
 Acq On : 12 Feb 2020 14:04  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 13 00:34:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 218392   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 340777   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 323465   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 167842   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 127191   | 47.86 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.72%  |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 102958   | 49.15 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.30%  |      |
| 50) Toluene-d8            | 10.08  | 98  | 402003   | 48.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.46%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 155441   | 51.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.56% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 116619  | 53.423  | ug/l   | 100    |
| 3) Chloromethane              | 2.03 | 50  | 134831  | 51.902  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.16 | 62  | 150216  | 50.730  | ug/l   | 100    |
| 5) Bromomethane               | 2.49 | 94  | 102126  | 56.248  | ug/l   | 98     |
| 6) Chloroethane               | 2.65 | 64  | 77931   | 52.034  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 202542  | 53.054  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 69521   | 54.705  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 112467  | 53.062  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.92 | 142 | 156350  | 54.645  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.74 | 59  | 112895  | 283.888 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 110515  | 53.523  | ug/l   | 99     |
| 13) Acrolein                  | 3.57 | 56  | 112813  | 286.999 | ug/l   | 97     |
| 14) Allyl chloride            | 4.29 | 41  | 177587  | 58.434  | ug/l   | 90     |
| 15) Acrylonitrile             | 4.94 | 53  | 272439  | 280.525 | ug/l   | 99     |
| 16) Acetone                   | 3.78 | 43  | 279673  | 241.270 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.02 | 76  | 330889  | 53.166  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.28 | 43  | 126734  | 58.201  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 369512  | 53.215  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.52 | 84  | 124508  | 53.838  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.00 | 96  | 118636  | 52.708  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.91 | 45  | 359504  | 53.976  | ug/l   | 95     |
| 23) Vinyl Acetate             | 5.85 | 43  | 1524350 | 272.534 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 211739  | 52.478  | ug/l   | 99     |
| 25) 2-Butanone                | 6.80 | 43  | 388482  | 266.474 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 202160  | 52.751  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.79 | 96  | 136783  | 51.927  | ug/l   | 100    |
| 28) Bromochloromethane        | 7.17 | 49  | 77994   | 49.169  | ug/l # | 98     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 237461  | 265.507 | ug/l   | 99     |
| 30) Chloroform                | 7.34 | 83  | 219779  | 51.999  | ug/l   | 98     |
| 31) Cyclohexane               | 7.63 | 56  | 192406  | 51.191  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 202663  | 52.471  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 166647  | 52.796  | ug/l   | 100    |
| 37) Ethyl Acetate             | 6.89 | 43  | 152758  | 53.549  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 178299  | 52.012  | ug/l   | 99     |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 13 00:34:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 39) Methylcyclohexane          | 9.06  | 83   | 209242   | 53.403   | ug/l   | 99       |
| 40) Benzene                    | 8.01  | 78   | 490197   | 52.354   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.14  | 41   | 63444    | 53.032   | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 175497   | 53.479   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 263018   | 53.937   | ug/l   | 100      |
| 44) Trichloroethene            | 8.81  | 130  | 134837   | 52.009   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 123684   | 53.356   | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 85475    | 52.179   | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.38  | 83   | 178421   | 53.573   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.18  | 41   | 119328   | 54.540   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 46545    | 1245.115 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 789493   | 279.709  | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 321894   | 53.611   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 206976   | 55.058   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 215996   | 54.565   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 125021   | 53.373   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 191737   | 57.863   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 205899   | 53.271   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 396526   | 256.864  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 616410   | 282.712  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.89 | 129  | 146764   | 54.599   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 136176   | 55.457   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.62 | 164  | 124015   | 50.434   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 353839   | 53.693   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 133939   | 53.726   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.50 | 91   | 639964   | 53.843   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 492488   | 110.401  | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 236601   | 55.086   | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 398485   | 57.533   | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 114971   | 57.338   | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 649225   | 51.799   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 250947   | 55.525   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 188979   | 52.384   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 254497   | 79.253   | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 163245   | 52.483   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 748937   | 52.447   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 435738   | 51.915   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 561276   | 53.860   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 72753    | 55.474   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 454823   | 52.818   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 468749   | 50.848   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 563929   | 54.820   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 638374   | 52.288   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 594960   | 53.786   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 297366   | 54.009   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 293001   | 53.227   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 520858   | 53.535   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 108203   | 52.360   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 284961   | 52.886   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 39913    | 52.065   | ug/l   | 99       |

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Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 8 Sample Multiplier: 1

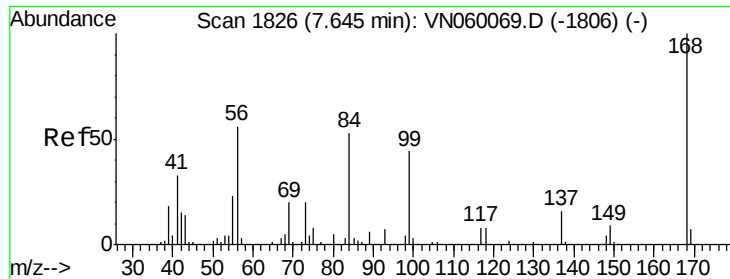
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Feb 13 00:34:47 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 175915   | 55.564 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 93640    | 50.522 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 482096   | 56.371 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 169367   | 53.719 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

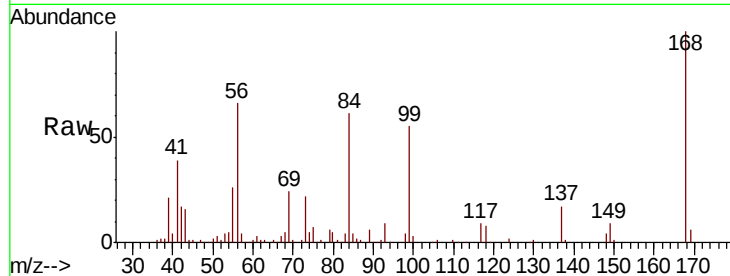
ClientSampled :

Tot Ion:168 Resp: 218392

Ion Ratio Lower Upper

168 100

99 54.7 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

40000

20000

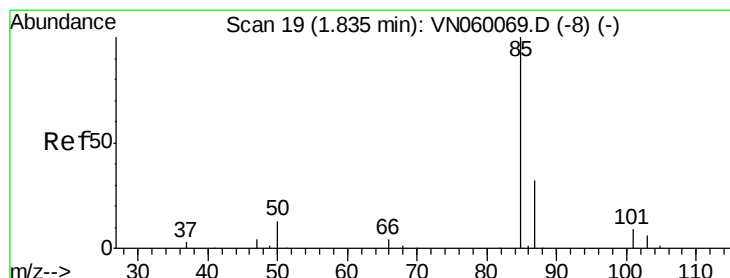
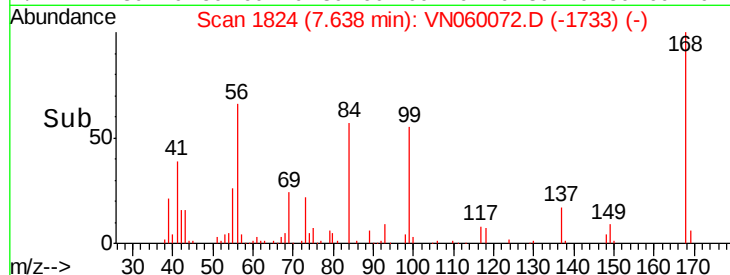
0

Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 53.423 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060072.D

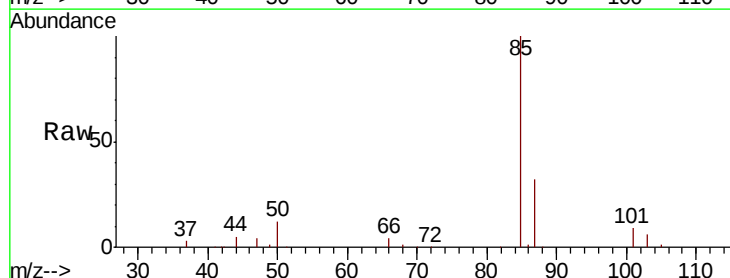
Acq: 12 Feb 2020 14:04

Tgt Ion: 85 Resp: 116619

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

60000

40000

20000

0

Time-->

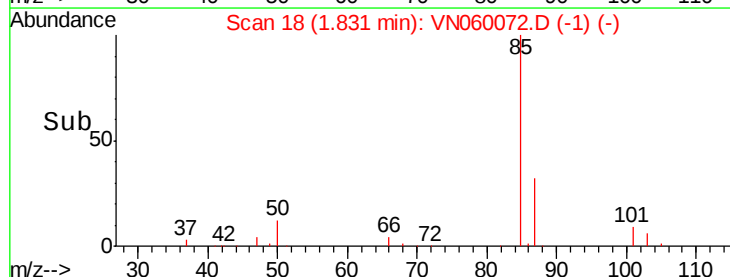
1.75

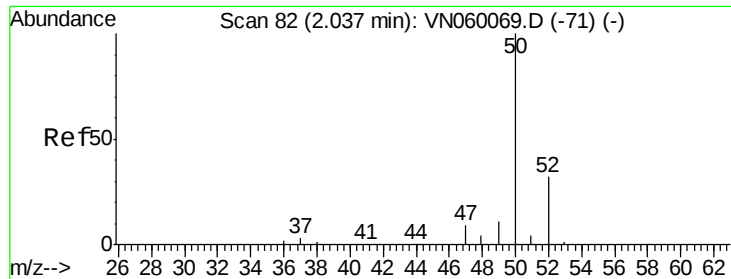
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 51.902 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

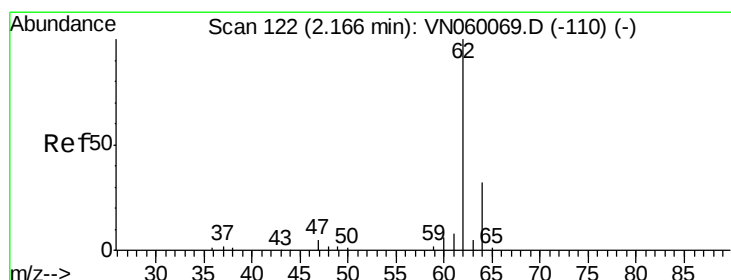
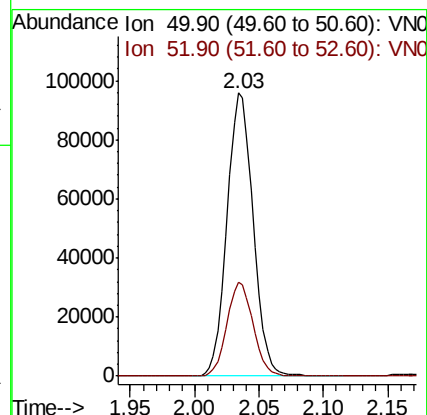
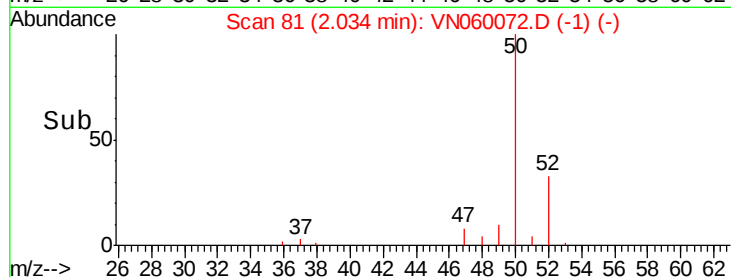
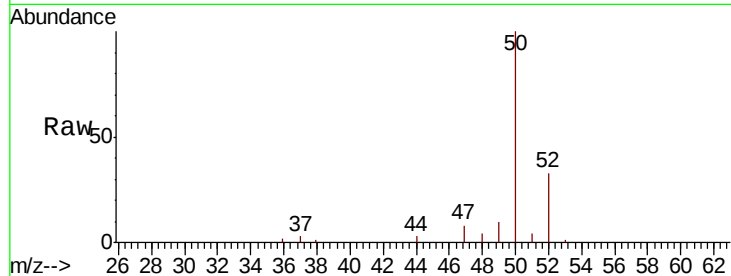
ClientSampleId :

Tot Ion: 50 Resp: 134831

Ion Ratio Lower Upper

50 100

52 33.1 25.6 38.4



#4

Vinyl Chloride

Concen: 50.730 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060072.D

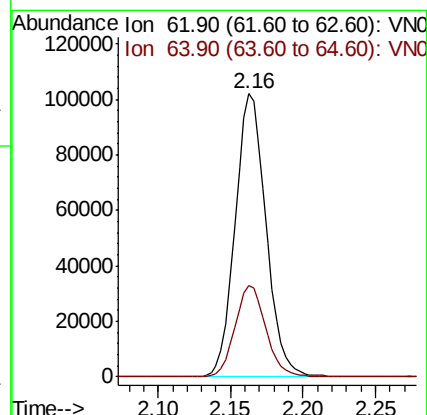
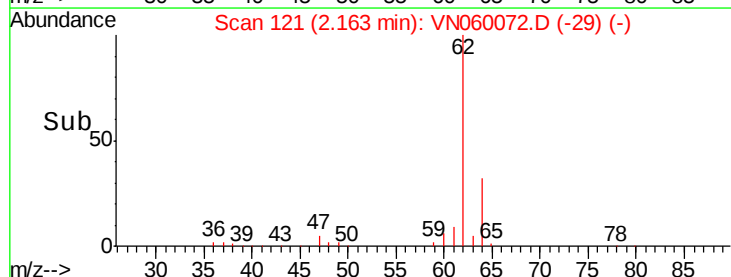
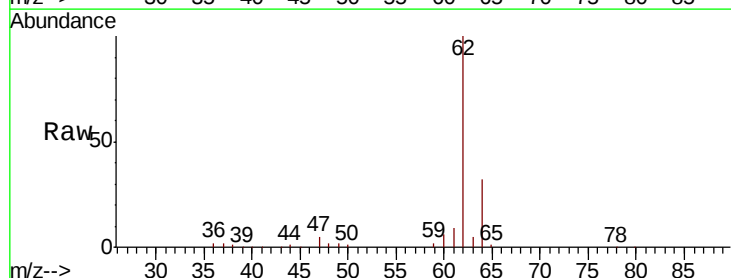
Acq: 12 Feb 2020 14:04

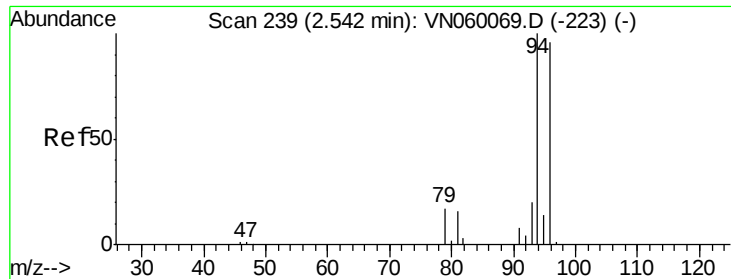
Tgt Ion: 62 Resp: 150216

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 56.248 ug/l

RT: 2.49 min Scan# 224

Delta R.T. -0.05 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

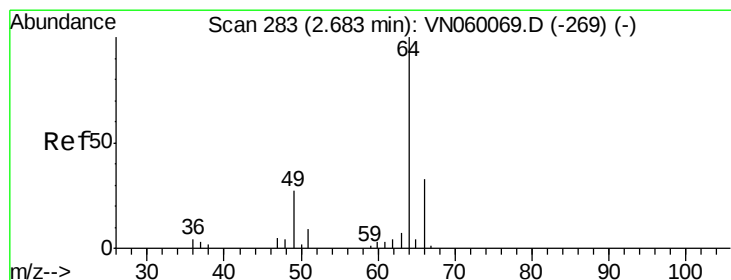
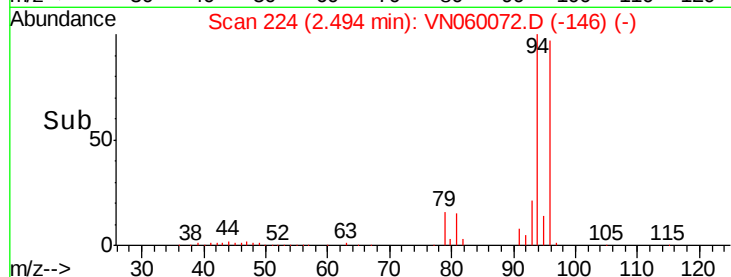
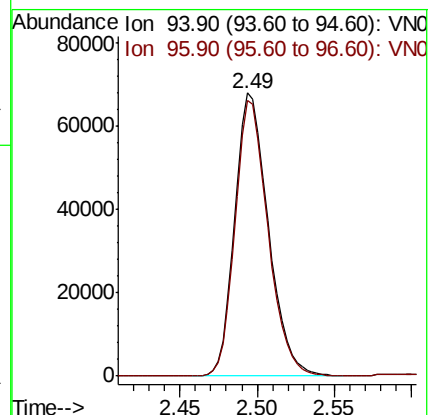
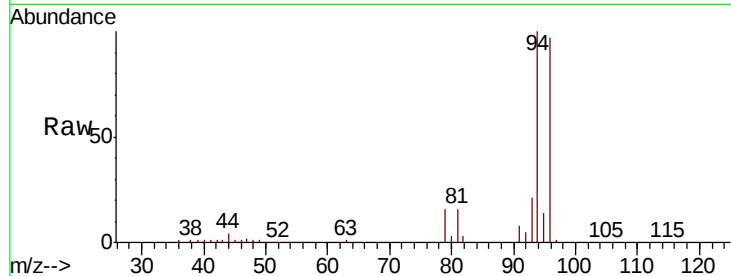
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 94 Resp: 102126

Ion Ratio Lower Upper

94 100

96 97.4 76.7 115.1



#6

Chloroethane

Concen: 52.034 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.03 min

Lab File: VN060072.D

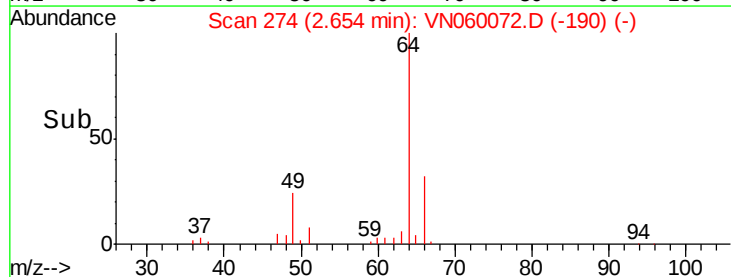
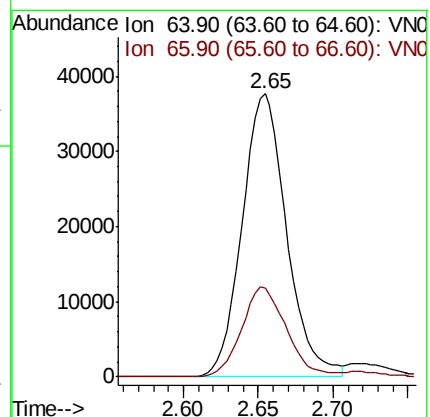
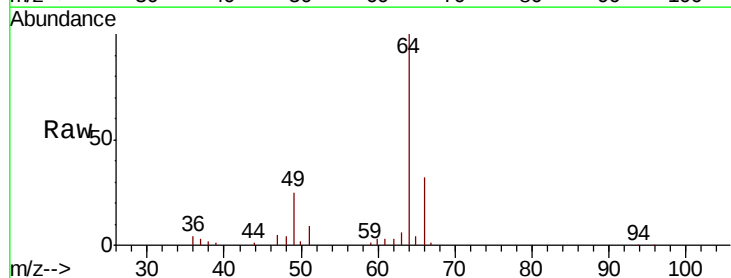
Acq: 12 Feb 2020 14:04

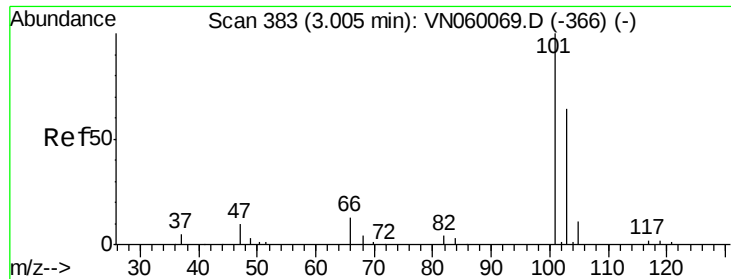
Tgt Ion: 64 Resp: 77931

Ion Ratio Lower Upper

64 100

66 31.5 26.6 40.0



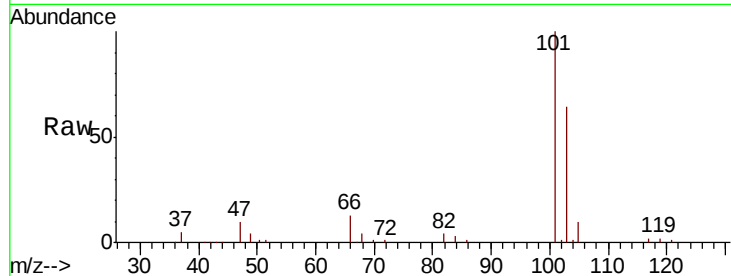


#7

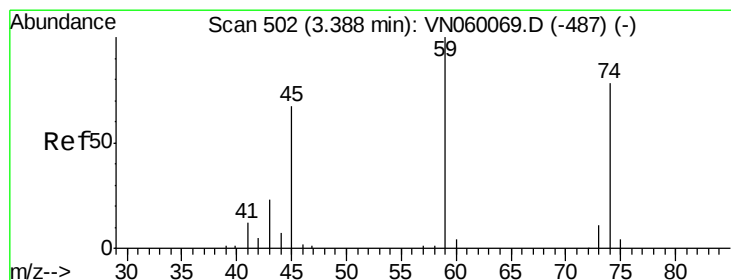
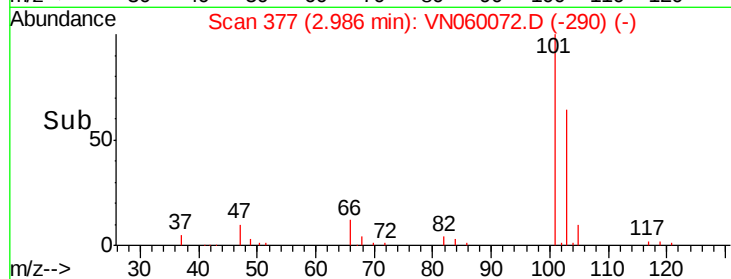
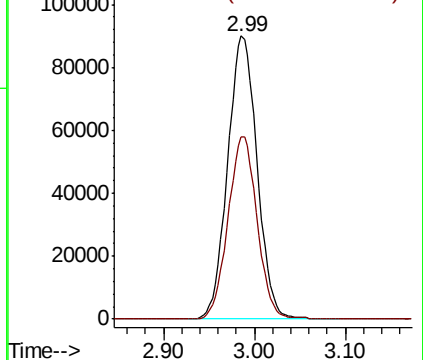
Trichlorofluoromethane  
Concen: 53.054 ug/l  
RT: 2.99 min Scan# 377  
Delta R.T. -0.02 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:101 Resp: 202542  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.0 76.6



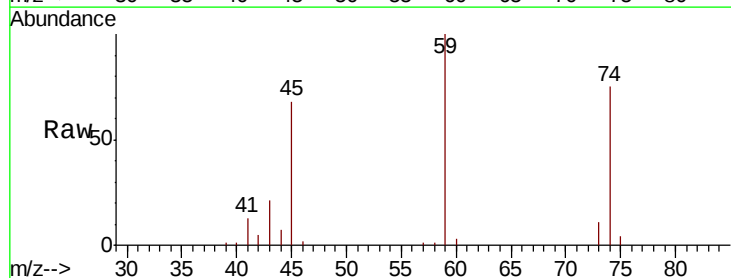
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



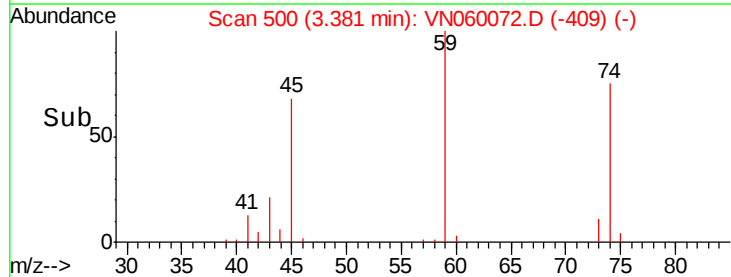
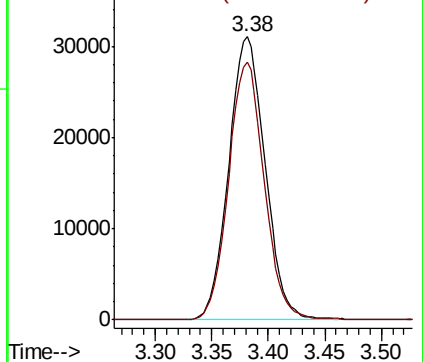
#8

Diethyl Ether  
Concen: 54.705 ug/l  
RT: 3.38 min Scan# 500  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 74 Resp: 69521  
Ion Ratio Lower Upper  
74 100  
45 89.3 44.7 134.1



Abundance Ion 74.00 (73.70 to 74.70): VNO  
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.062 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

ClientSampled :

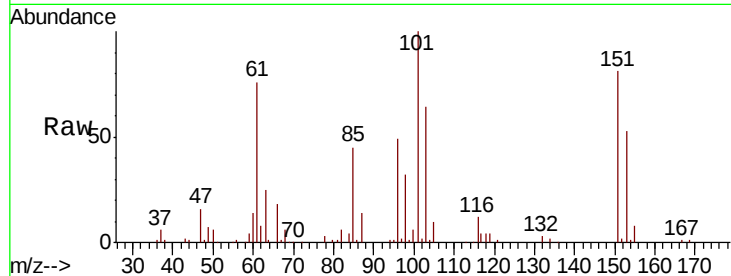
Tot Ion:101 Resp: 112467

Ion Ratio Lower Upper

101 100

85 43.8 35.1 52.7

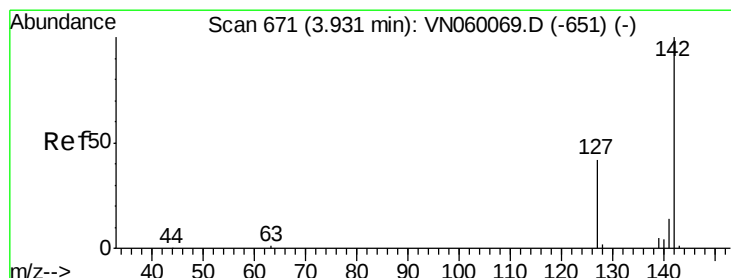
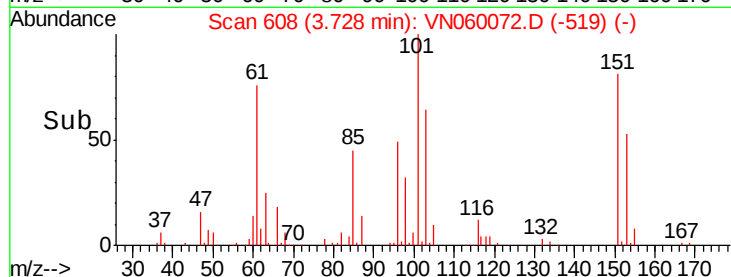
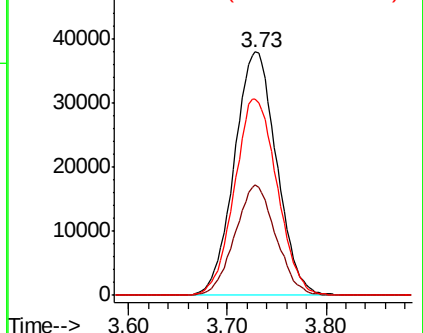
151 81.5 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.645 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

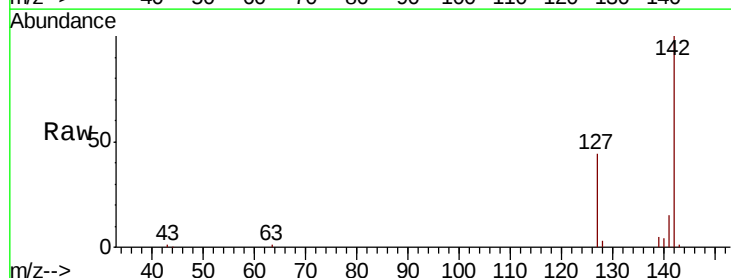
Tgt Ion:142 Resp: 156350

Ion Ratio Lower Upper

142 100

127 43.0 33.6 50.4

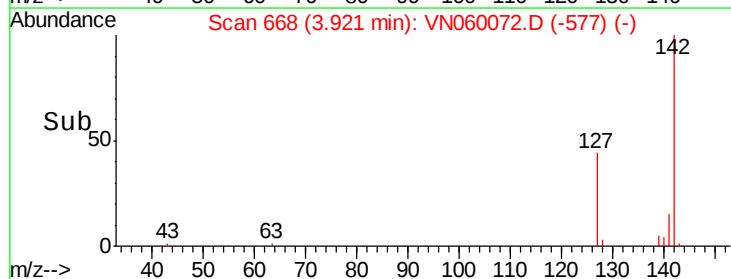
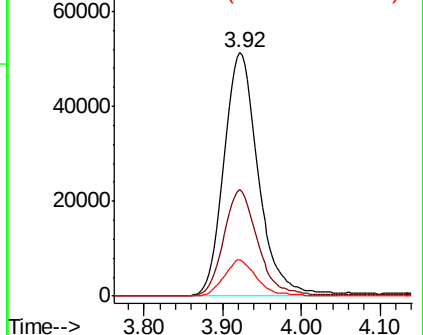
141 14.2 11.4 17.2

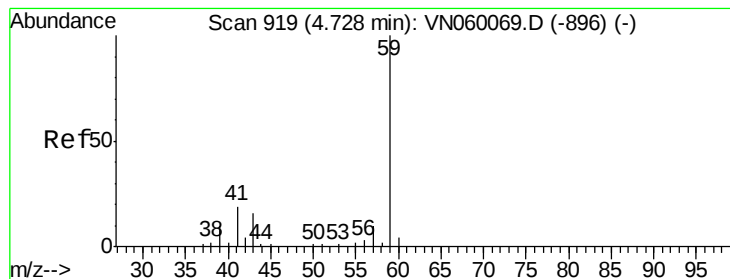


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



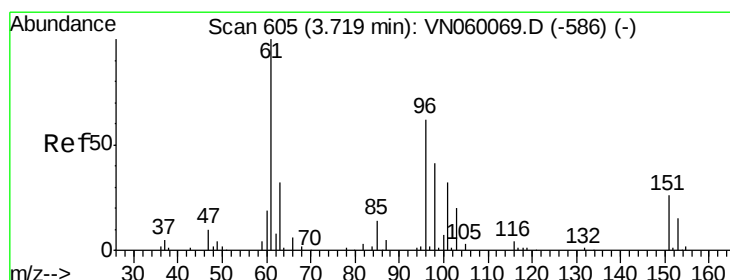
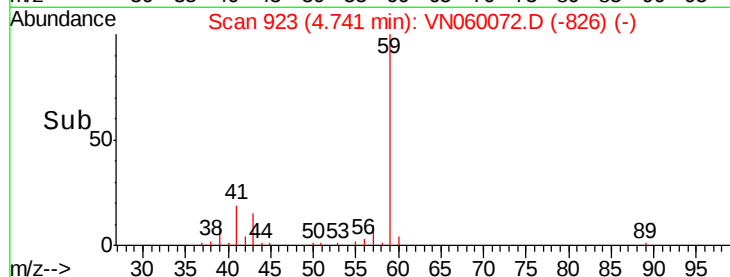
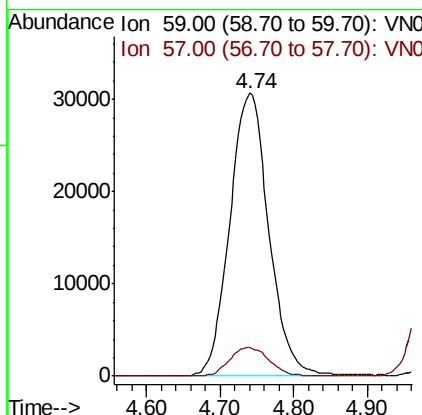
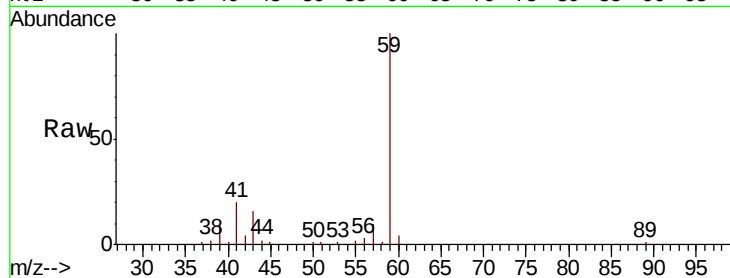


#11

Tert butyl alcohol  
 Concen: 283.888 ug/l  
 RT: 4.74 min Scan# 923  
 Delta R.T. 0.01 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :

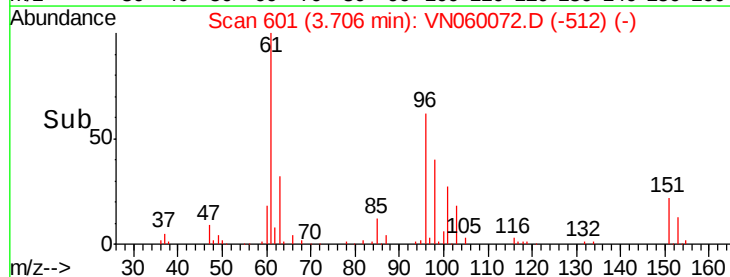
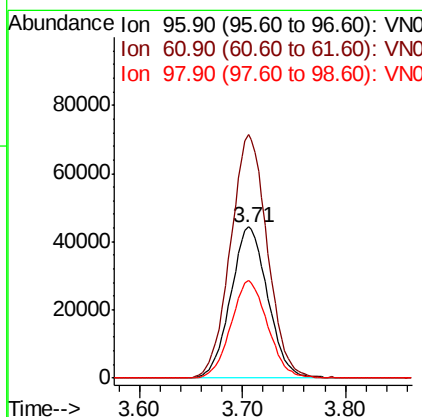
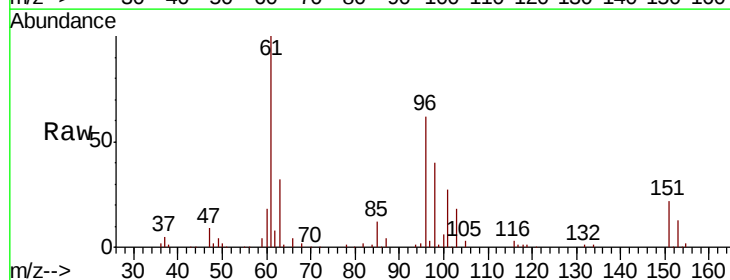
Tot Ion: 59 Resp: 112895  
 Ion Ratio Lower Upper  
 59 100  
 57 10.2 8.2 12.4

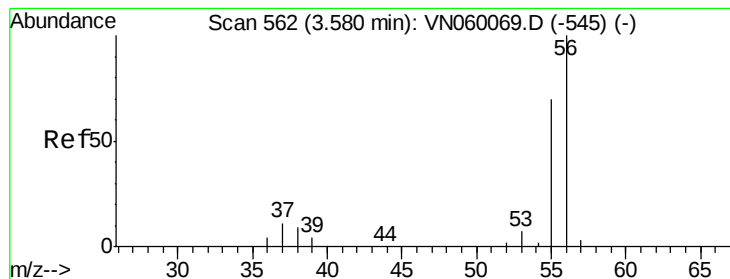


#12

1,1-Dichloroethene  
 Concen: 53.523 ug/l  
 RT: 3.71 min Scan# 601  
 Delta R.T. -0.01 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

Tgt Ion: 96 Resp: 110515  
 Ion Ratio Lower Upper  
 96 100  
 61 161.4 128.3 192.5  
 98 64.7 52.2 78.4





#13

Acrolein

Concen: 286.999 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

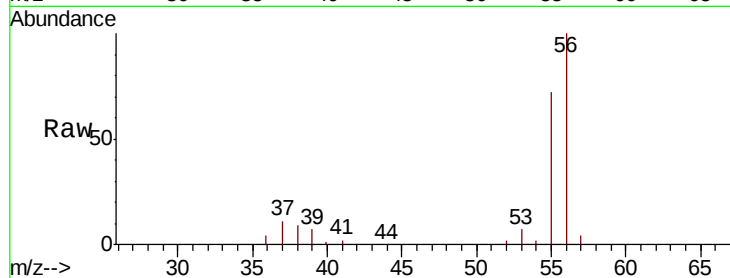
ClientSampled :

Tot Ion: 56 Resp: 112813

Ion Ratio Lower Upper

56 100

55 71.3 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D

Ion 55.00 (54.70 to 55.70): VN060069.D

3.57

50000

40000

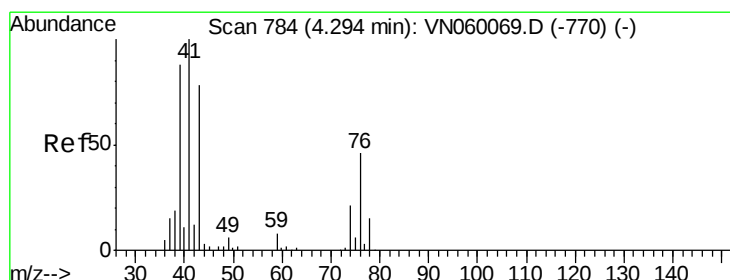
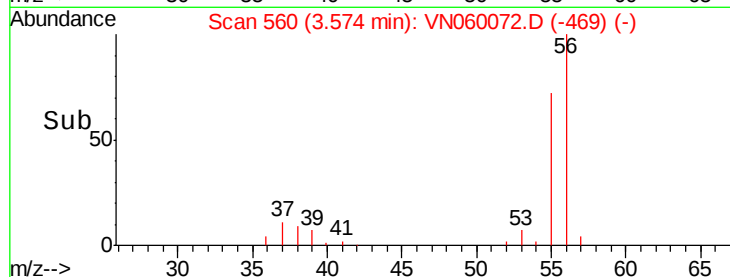
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 58.434 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

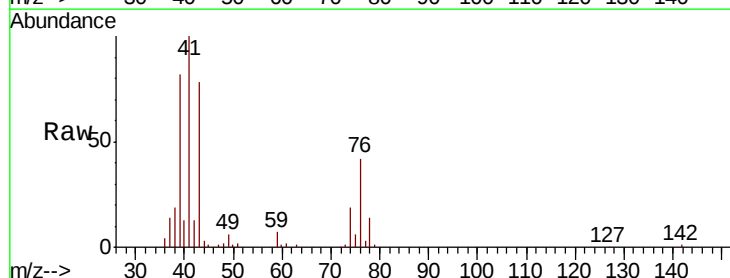
Tgt Ion: 41 Resp: 177587

Ion Ratio Lower Upper

41 100

39 74.5 67.8 101.8

76 37.3 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060069.D

Ion 39.00 (38.70 to 39.70): VN060069.D

Ion 75.90 (75.60 to 76.60): VN060069.D

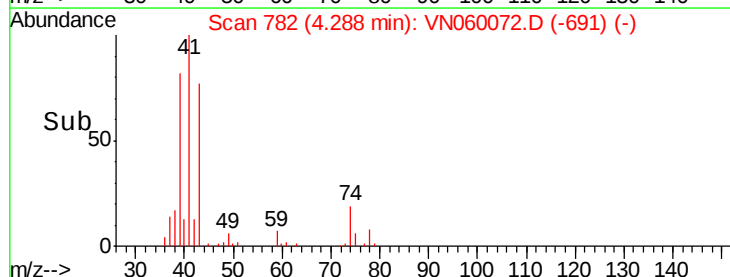
60000

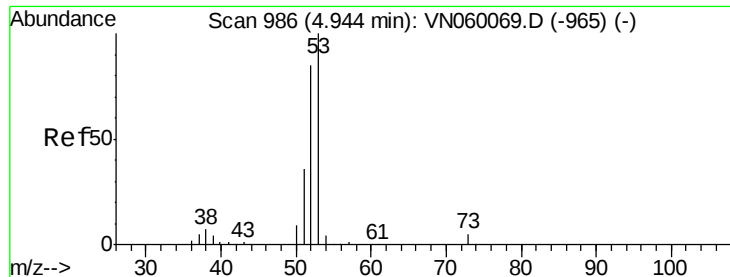
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 280.525 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

ClientSampled :

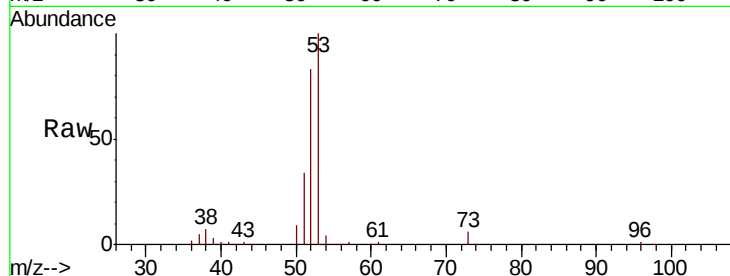
Tot Ion: 53 Resp: 272439

Ion Ratio Lower Upper

53 100

52 83.0 66.8 100.2

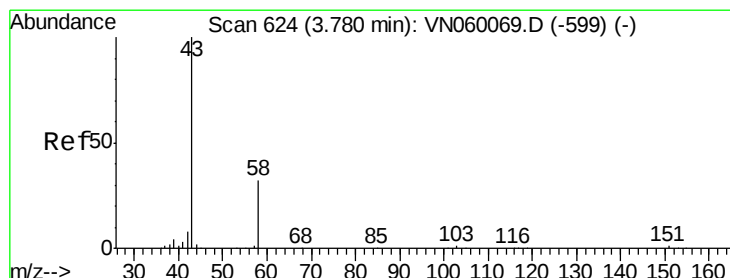
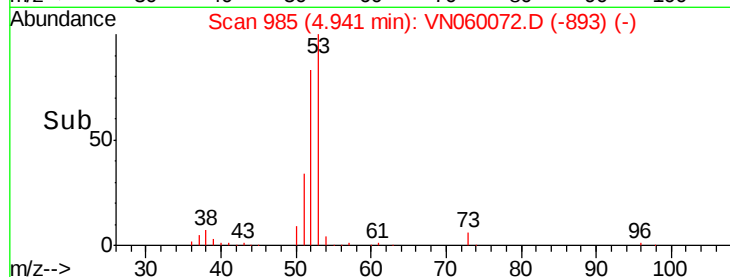
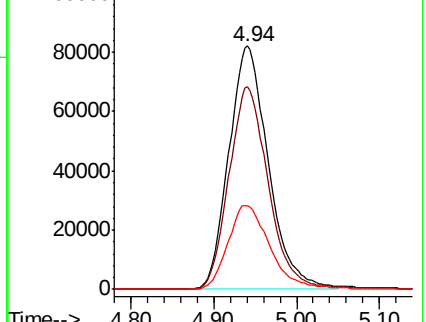
51 36.4 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN060069.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060069.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060069.D (-965) (-)



#16

Acetone

Concen: 241.270 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060072.D

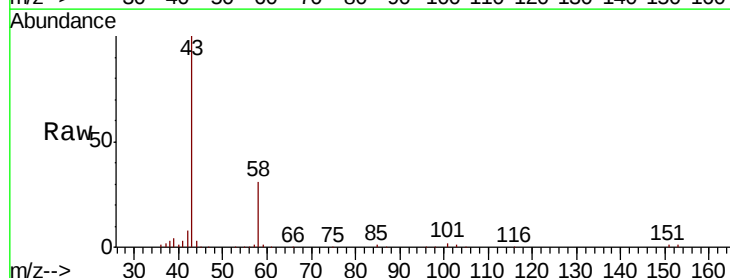
Acq: 12 Feb 2020 14:04

Tgt Ion: 43 Resp: 279673

Ion Ratio Lower Upper

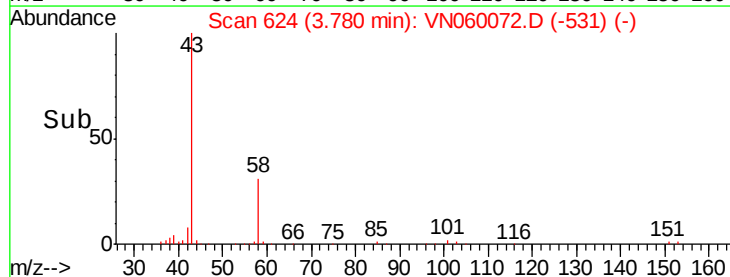
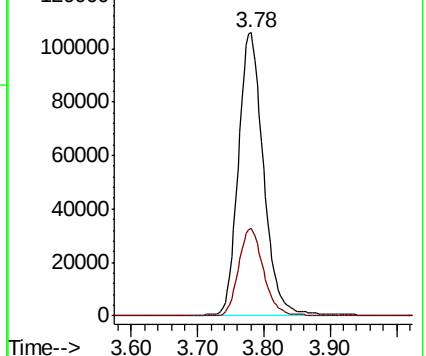
43 100

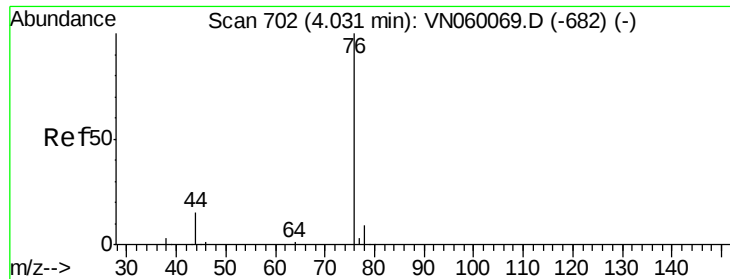
58 30.7 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)

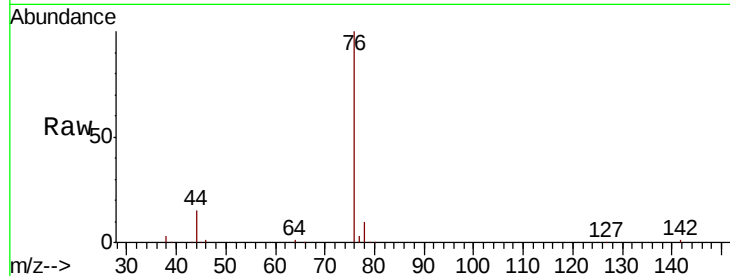




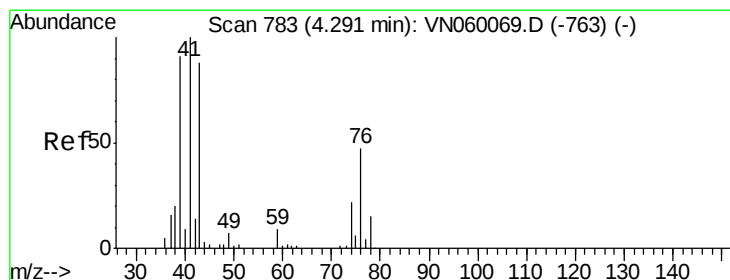
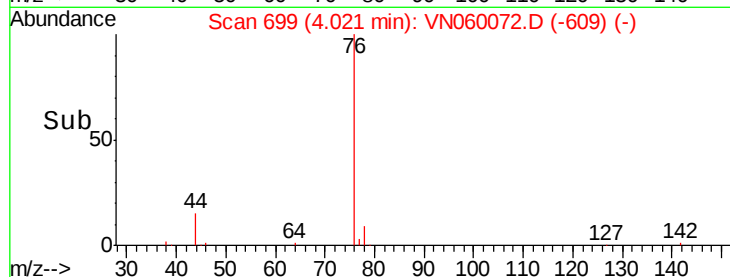
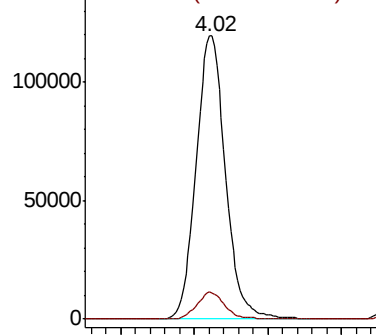
#17  
Carbon Disulfide  
Concen: 53.166 ug/l  
RT: 4.02 min Scan# 699  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 76 Resp: 330889  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.0 10.6

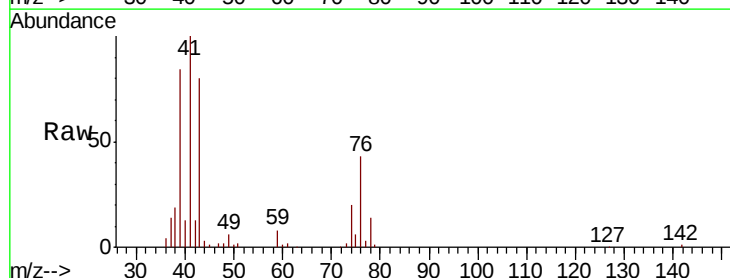


Abundance Ion 75.90 (75.60 to 76.60): VN0  
Ion 77.90 (77.60 to 78.60): VN0

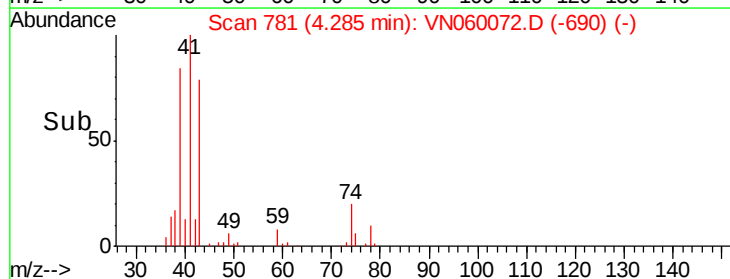
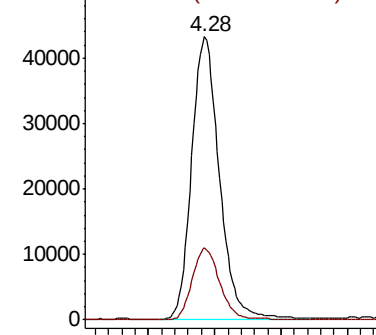


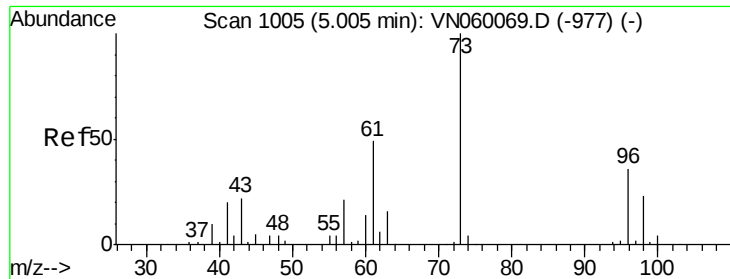
#18  
Methyl Acetate  
Concen: 58.201 ug/l  
RT: 4.28 min Scan# 781  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 43 Resp: 126734  
Ion Ratio Lower Upper  
43 100  
74 24.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 74.00 (73.70 to 74.70): VN0

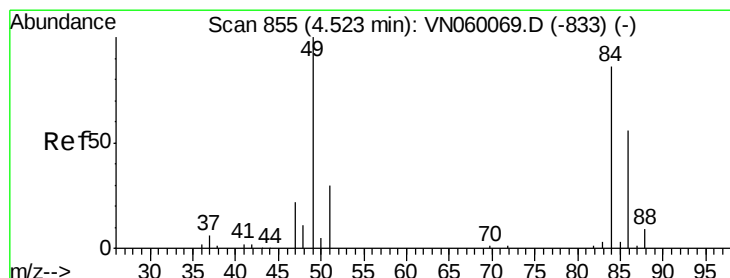
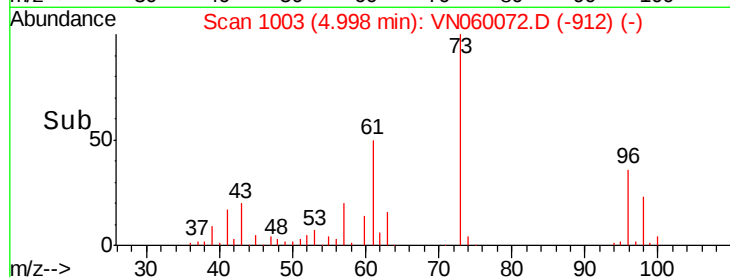
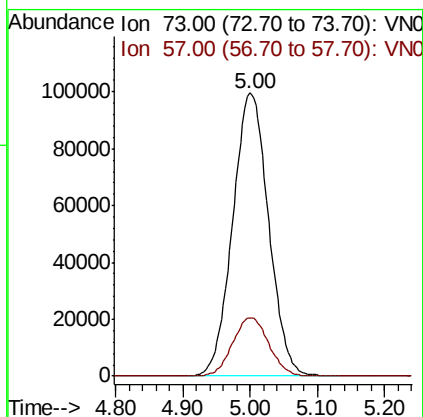
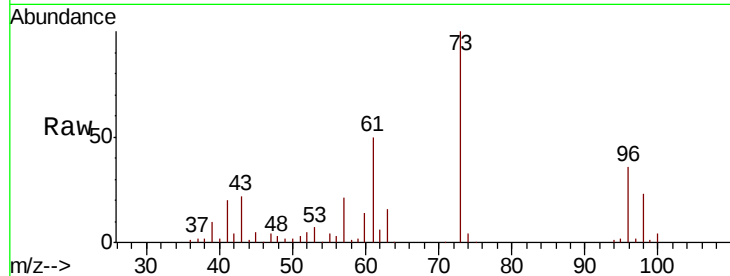




#19  
Methvl tert-butvl Ether  
Concen: 53.215 ug/l  
RT: 5.00 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

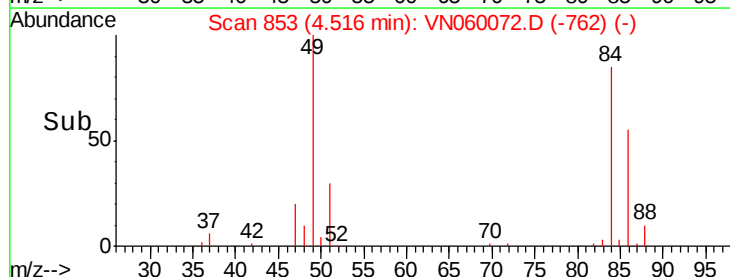
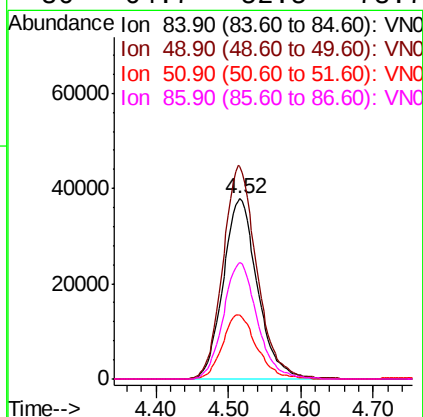
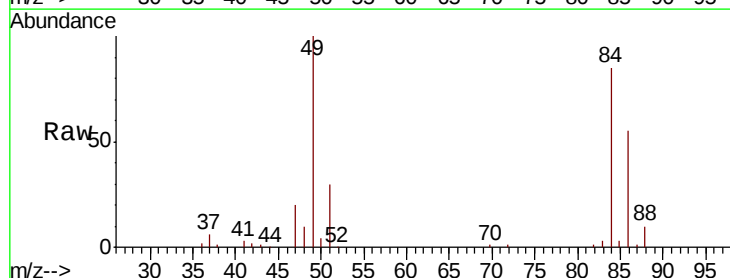
Instrument :  
MSVOA\_N  
ClientSampled :

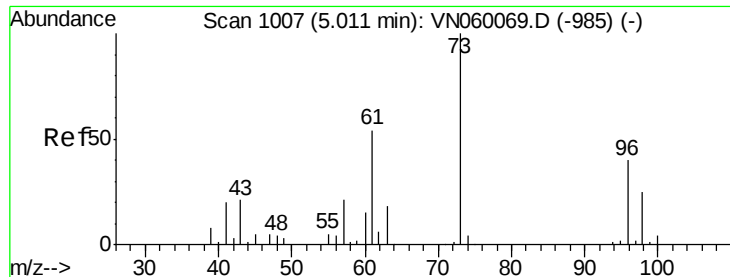
Tot Ion: 73 Resp: 369512  
Ion Ratio Lower Upper  
73 100  
57 20.7 17.2 25.8



#20  
Methylene Chloride  
Concen: 53.838 ug/l  
RT: 4.52 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 84 Resp: 124508  
Ion Ratio Lower Upper  
84 100  
49 118.3 93.4 140.0  
51 35.4 28.4 42.6  
86 64.7 52.5 78.7

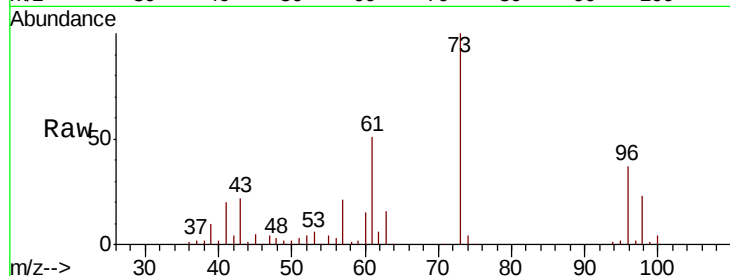




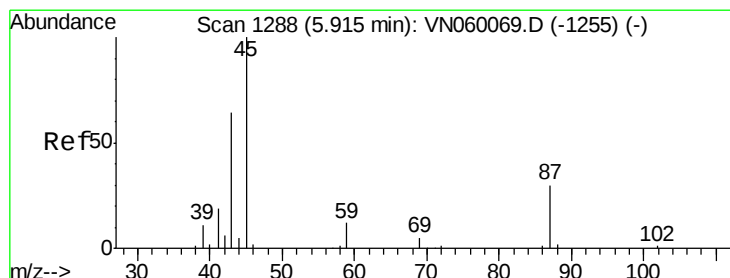
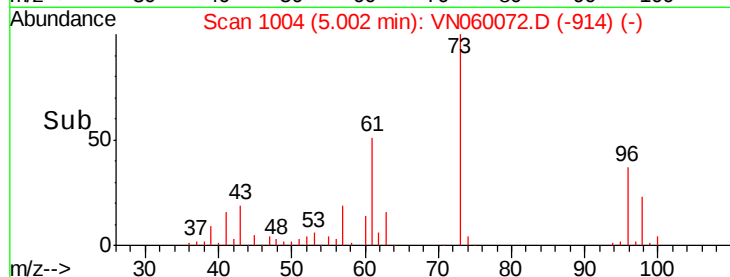
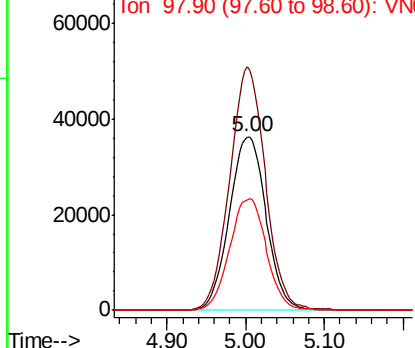
#21  
trans-1,2-Dichloroethene  
Concen: 52.708 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 96 Resp: 118636  
Ion Ratio Lower Upper  
96 100  
61 140.5 109.3 163.9  
98 64.0 51.0 76.6

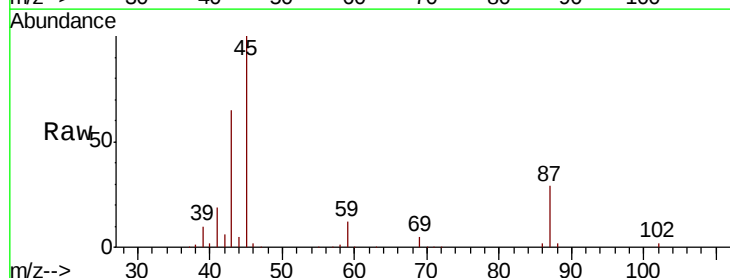


Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0

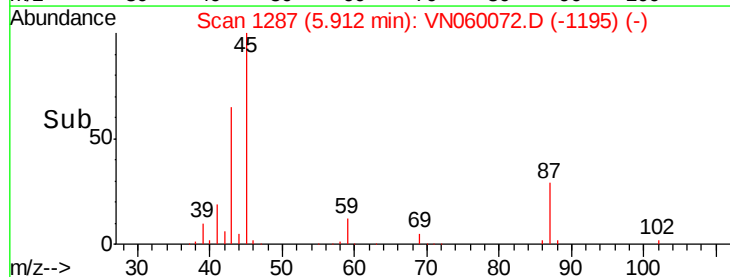
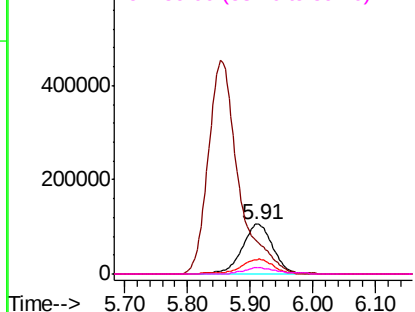


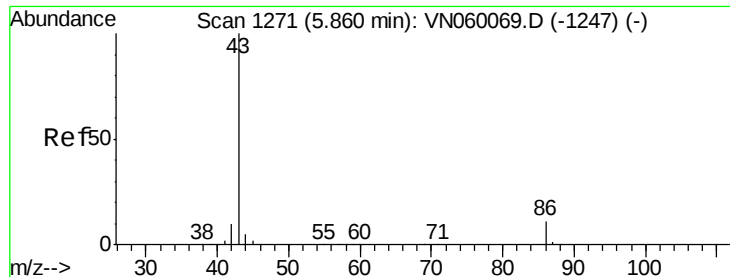
#22  
Diisopropyl ether  
Concen: 53.976 ug/l  
RT: 5.91 min Scan# 1287  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 45 Resp: 359504  
Ion Ratio Lower Upper  
45 100  
43 63.6 55.9 83.9  
87 29.4 24.5 36.7  
59 12.3 9.9 14.9



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





#23

Vinyl Acetate

Concen: 272.534 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

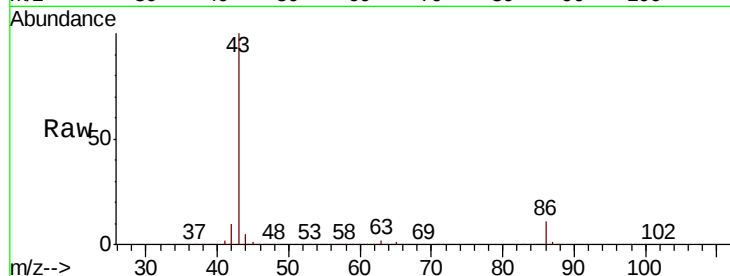
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 1524350

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN060069.D (-1247) (-)

5.85

400000

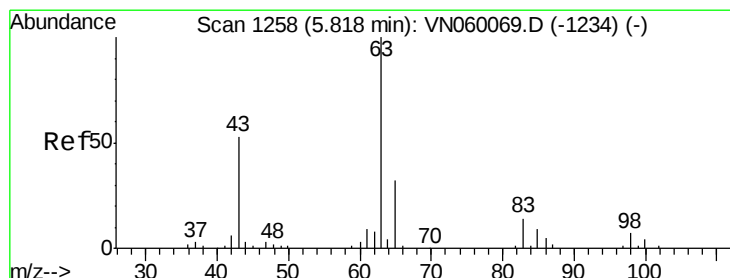
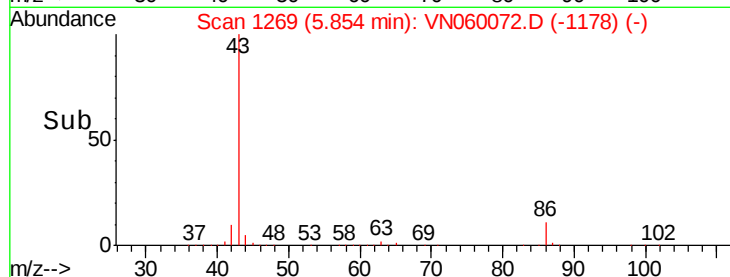
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.478 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

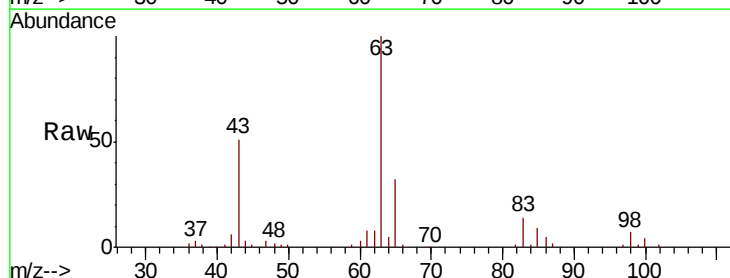
Tgt Ion: 63 Resp: 211739

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN060069.D (-1234) (-)

5.81

80000

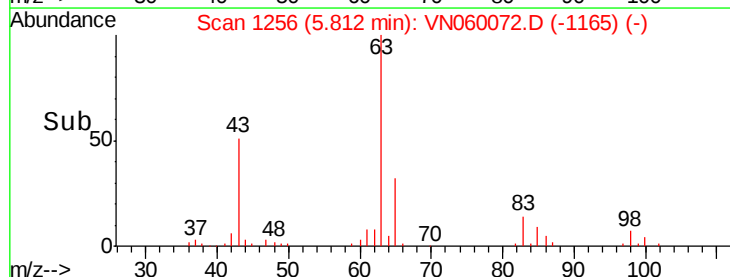
60000

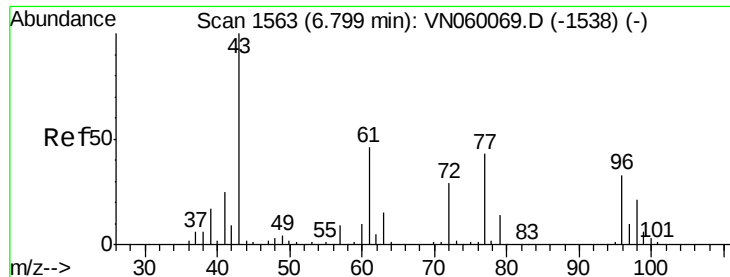
40000

20000

0

Time-->





#25

2-Butanone

Concen: 266.474 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

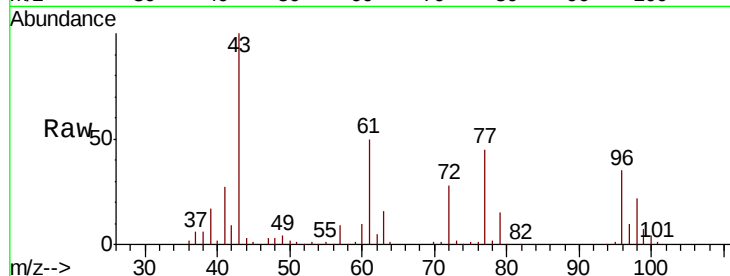
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 388482

Ion Ratio Lower Upper

43 100

72 28.3 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)

6.80

150000

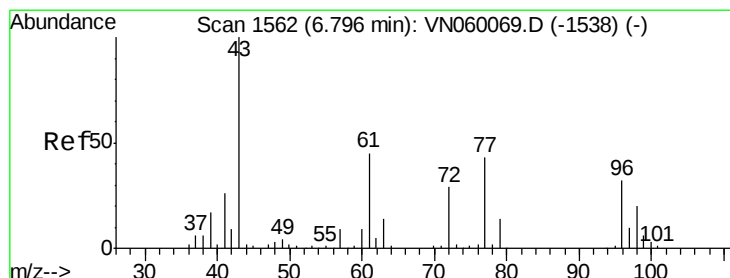
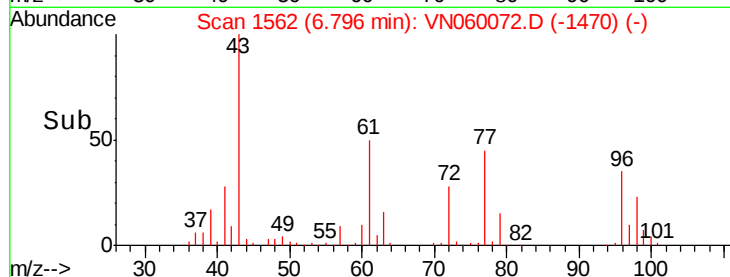
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 52.751 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060072.D

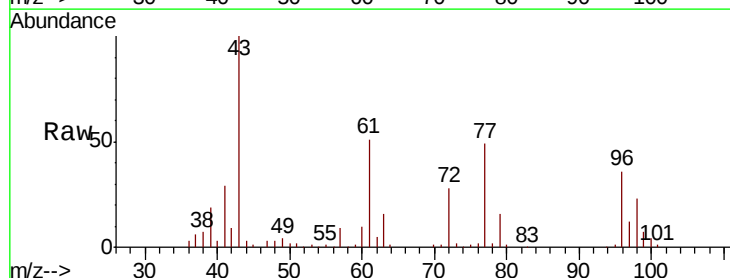
Acq: 12 Feb 2020 14:04

Tgt Ion: 77 Resp: 202160

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)

6.79

60000

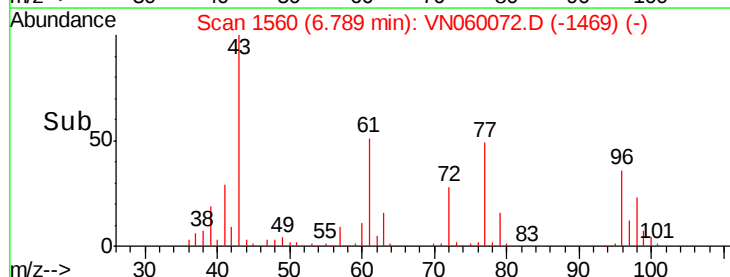
40000

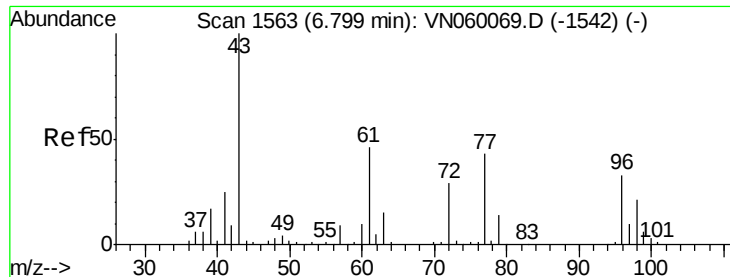
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.927 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampled :

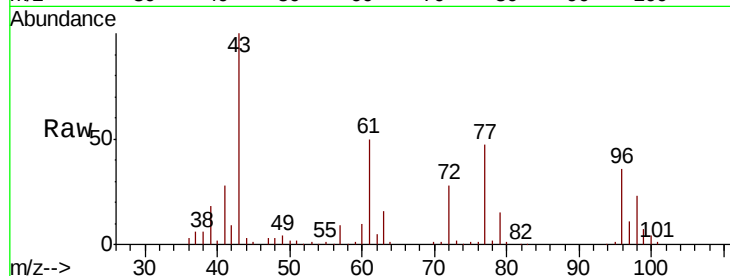
Tot Ion: 96 Resp: 136783

Ion Ratio Lower Upper

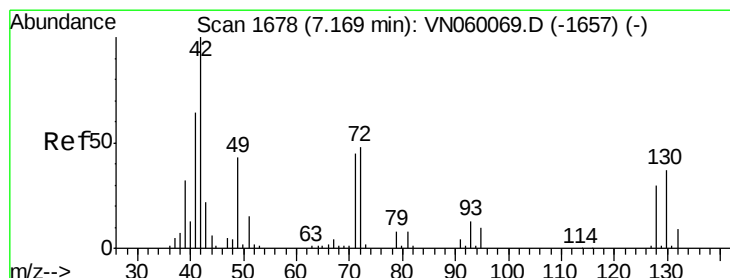
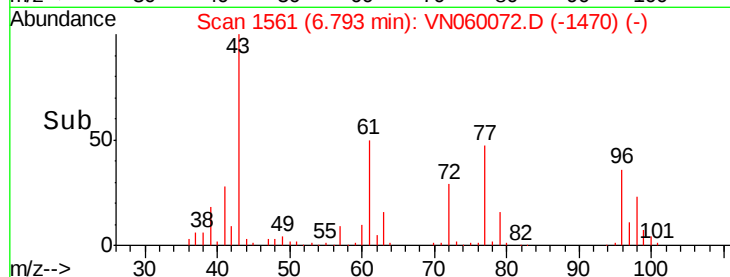
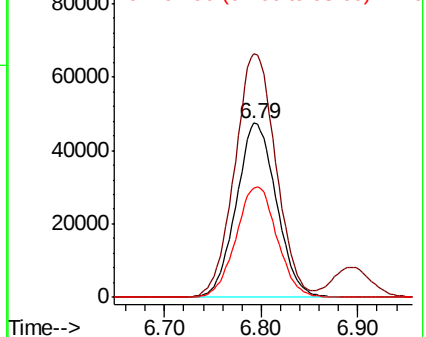
96 100

61 143.2 0.0 285.8

98 64.8 0.0 129.6



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



#28

Bromochloromethane

Concen: 49.169 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

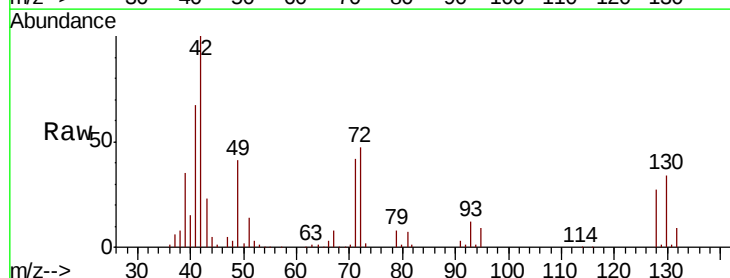
Tgt Ion: 49 Resp: 77994

Ion Ratio Lower Upper

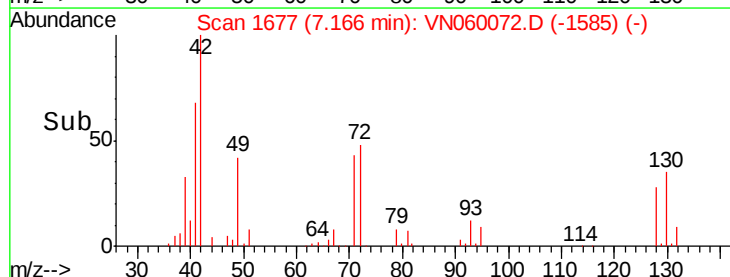
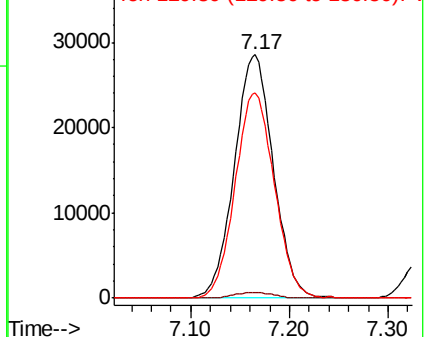
49 100

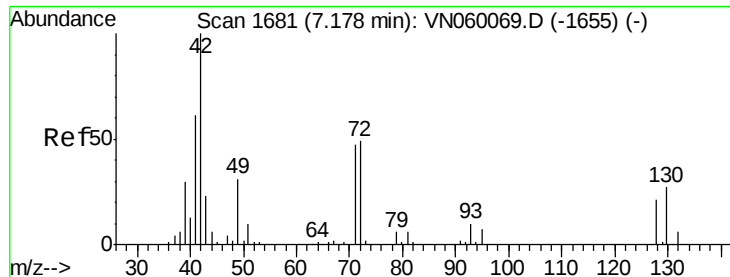
129 2.2 0.0 2.2#

130 84.9 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VN0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

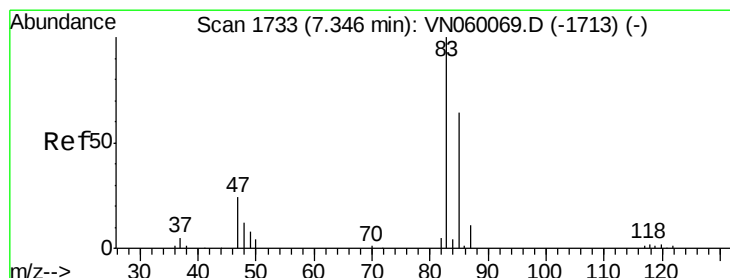
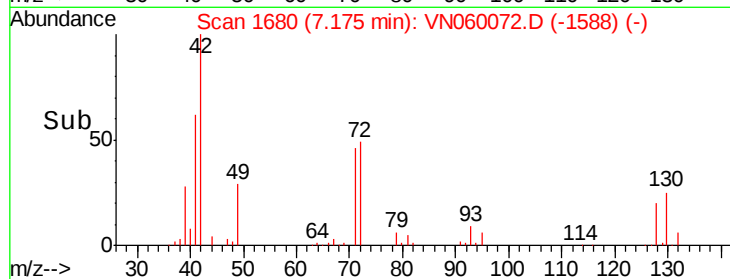
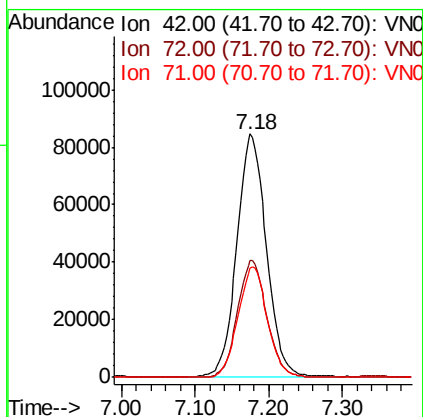
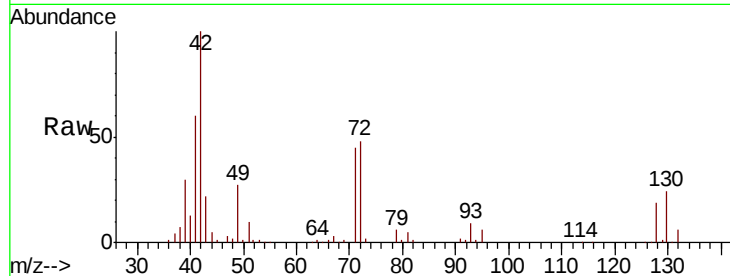




#29  
Tetrahydrofuran  
Concen: 265.507 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

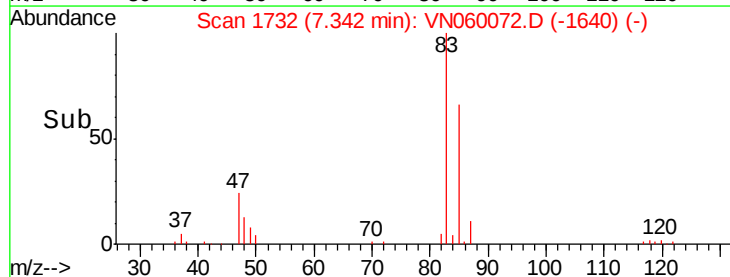
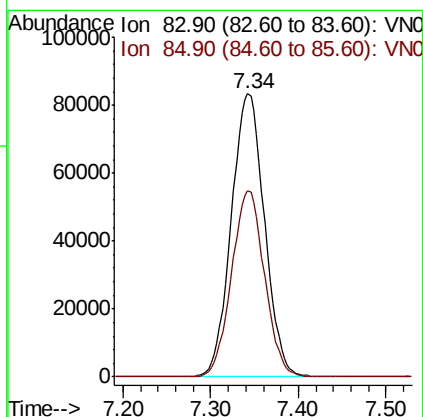
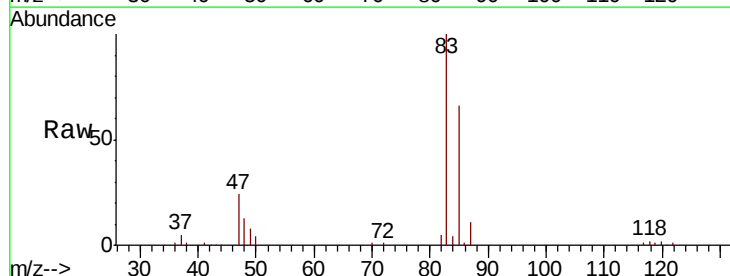
Instrument :  
MSVOA\_N  
ClientSampled :

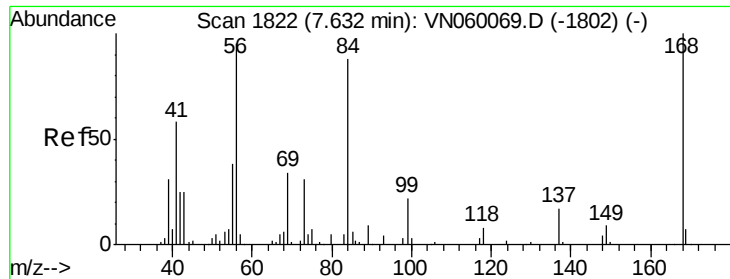
Tot Ion: 42 Resp: 237461  
Ion Ratio Lower Upper  
42 100  
72 47.1 38.2 57.4  
71 44.7 36.6 54.8



#30  
Chloroform  
Concen: 51.999 ug/l  
RT: 7.34 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 83 Resp: 219779  
Ion Ratio Lower Upper  
83 100  
85 65.8 51.4 77.0

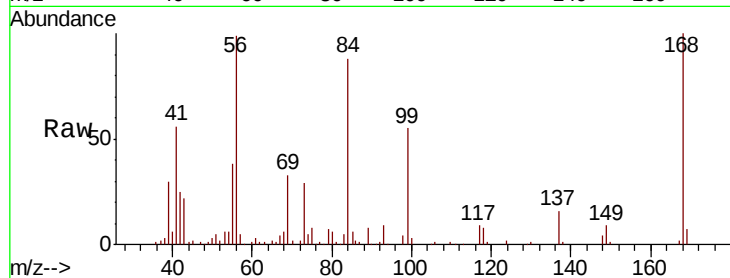




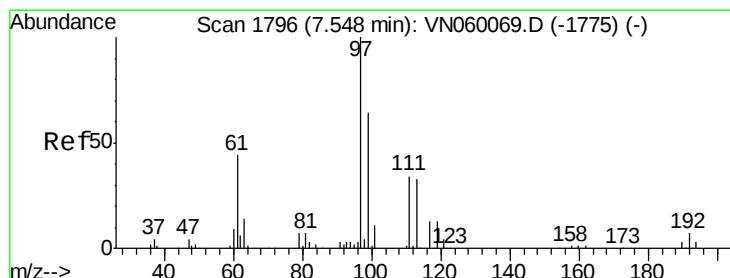
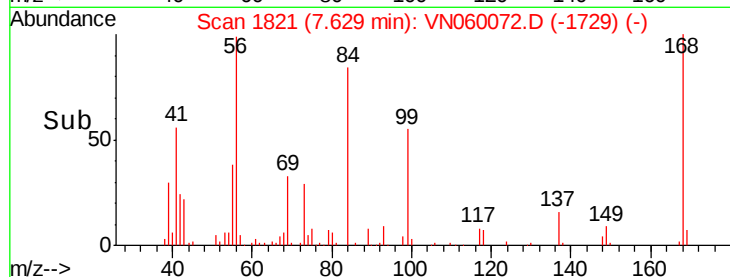
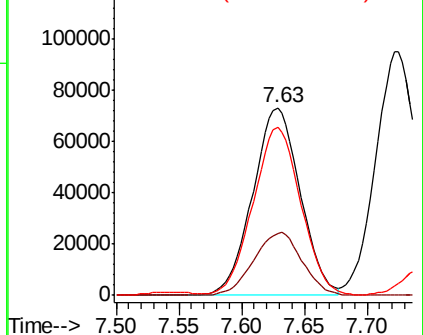
#31  
Cyclohexane  
Concen: 51.191 ug/l  
RT: 7.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 192406  
Ion Ratio Lower Upper  
56 100  
69 33.2 28.3 42.5  
84 87.8 72.6 108.8

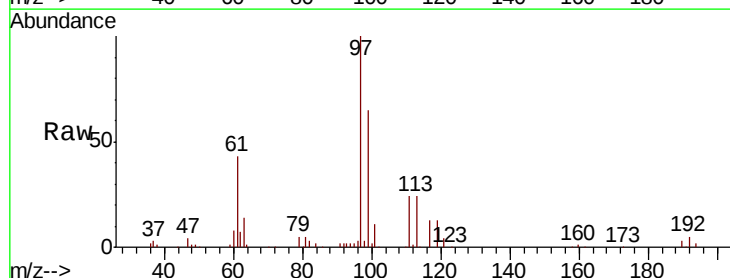


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

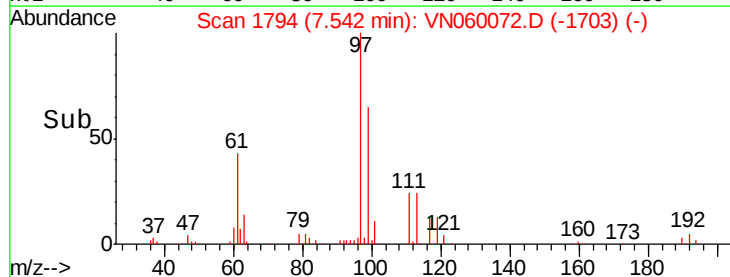
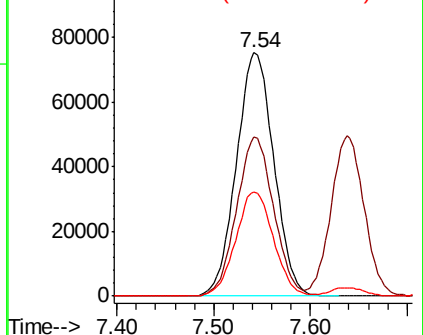


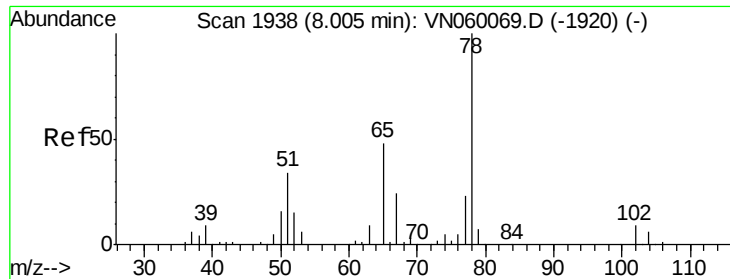
#32  
1,1,1-Trichloroethane  
Concen: 52.471 ug/l  
RT: 7.54 min Scan# 1794  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 97 Resp: 202663  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.4 77.0  
61 43.1 34.9 52.3



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





#33

1,2-Dichloroethane-d4

Concen: 47.862 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

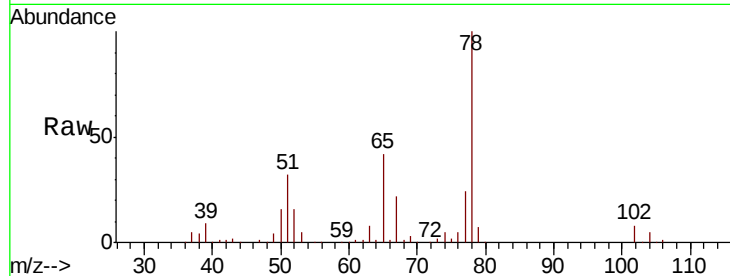
ClientSampleId :

Tot Ion: 65 Resp: 127191

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)

8.00

60000

50000

40000

30000

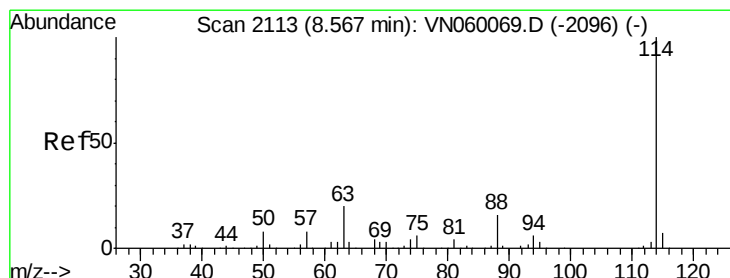
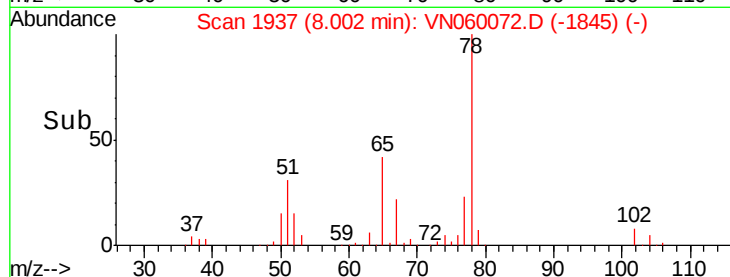
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

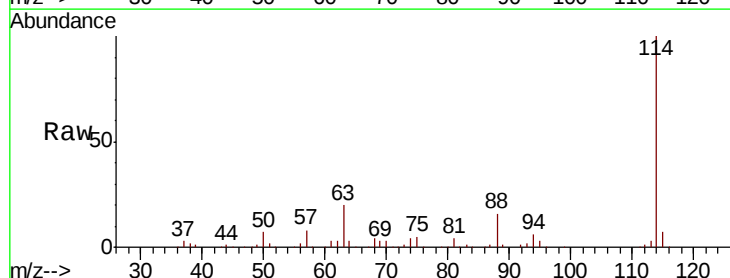
Tgt Ion: 114 Resp: 340777

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060069.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN060069.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060069.D (-2096) (-)

8.56

200000

150000

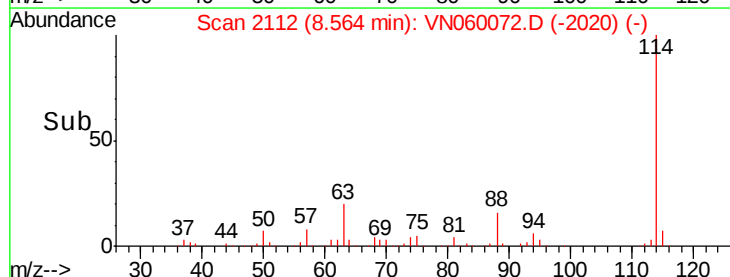
100000

50000

0

8.50 8.55 8.60 8.65 8.70

Time-->

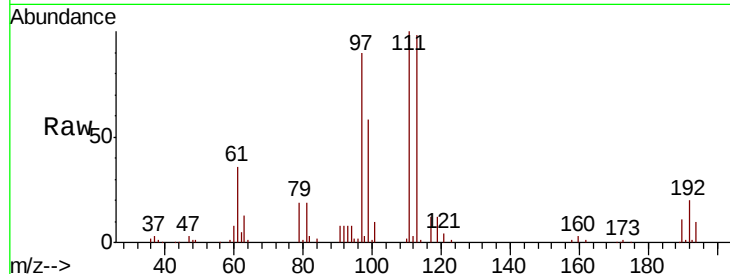




#35  
 Dibromofluoromethane  
 Concen: 49.150 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

Instrument :  
 MSVOA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.8 | 81.4  | 122.2 |
| 192     | 20.5  | 16.2  | 24.2  |

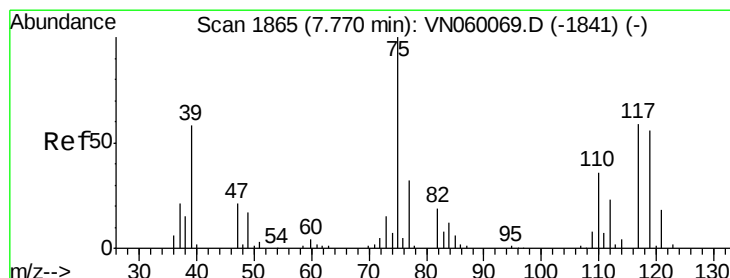
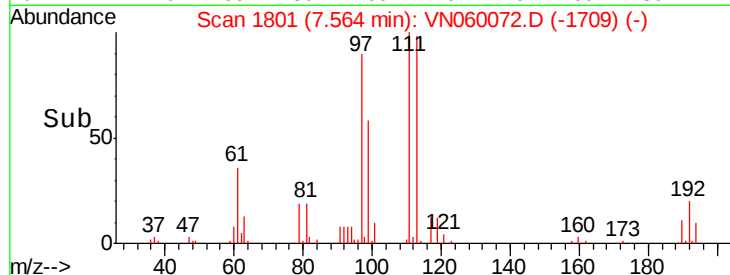
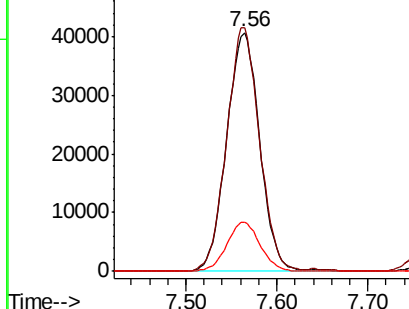


Abundance

Ion 112.80 (112.50 to 113.50): V

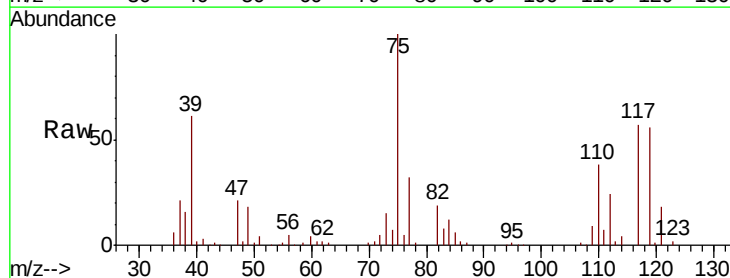
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 52.796 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.3  | 18.1  | 54.3  |
| 77      | 31.2  | 25.1  | 37.7  |

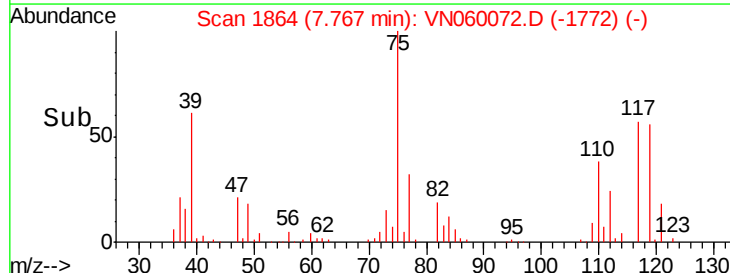
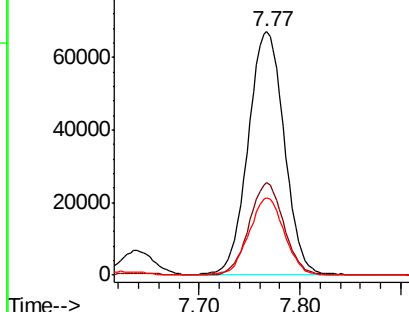


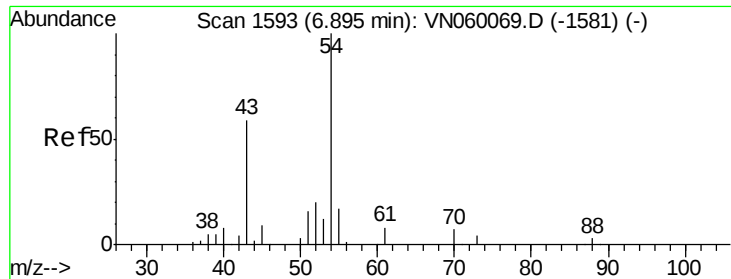
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

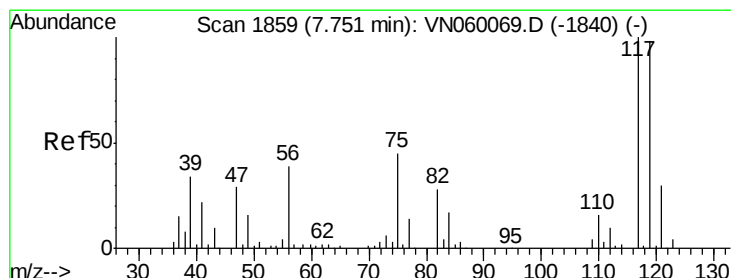
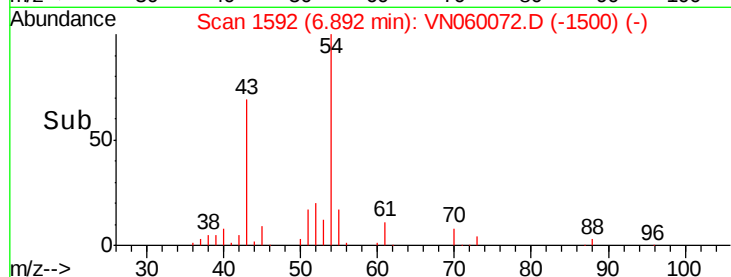
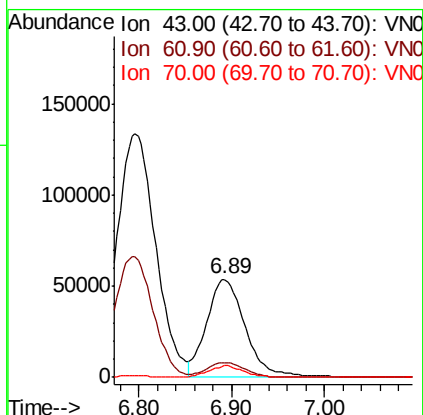
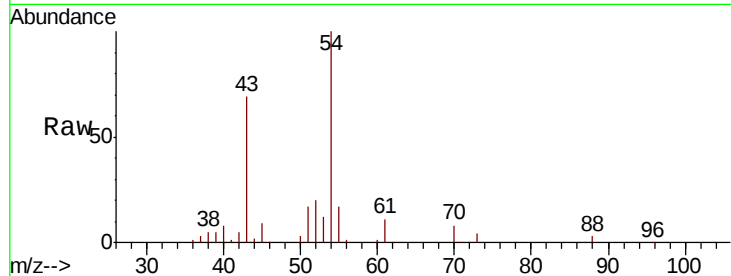




#37  
Ethyl Acetate  
Concen: 53.549 ug/l  
RT: 6.89 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

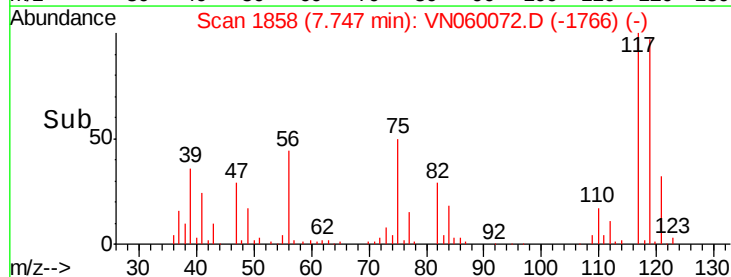
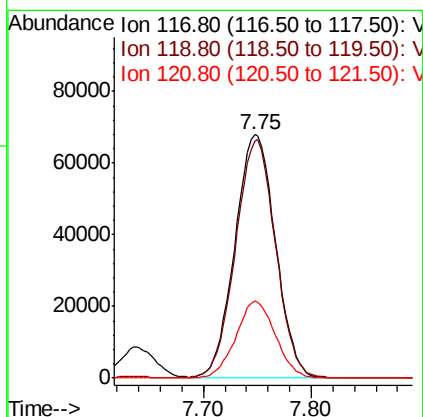
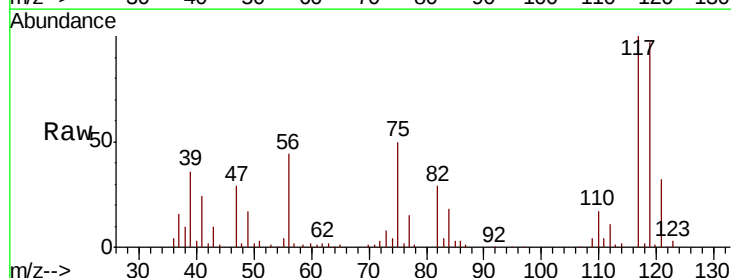
Instrument :  
MSVOA\_N  
ClientSampled :

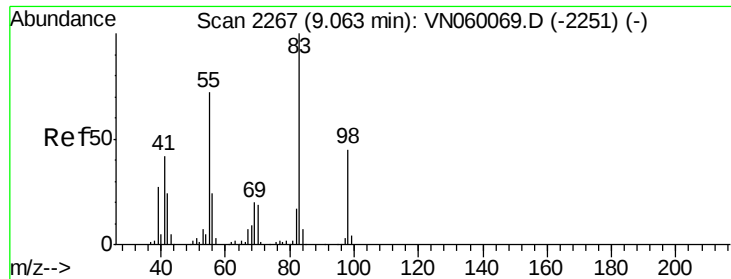
Tot Ion: 43 Resp: 152758  
Ion Ratio Lower Upper  
43 100  
61 15.1 11.4 17.2  
70 10.9 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 52.012 ug/l  
RT: 7.75 min Scan# 1858  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 117 Resp: 178299  
Ion Ratio Lower Upper  
117 100  
119 97.5 78.2 117.4  
121 31.7 24.2 36.2

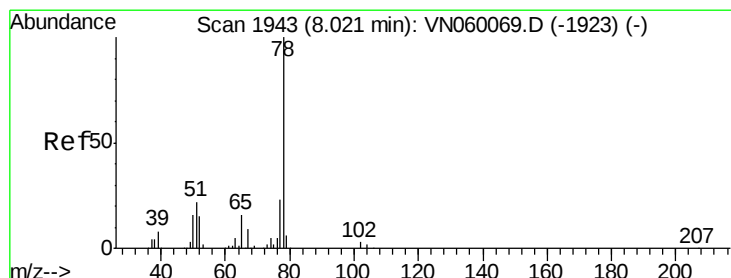
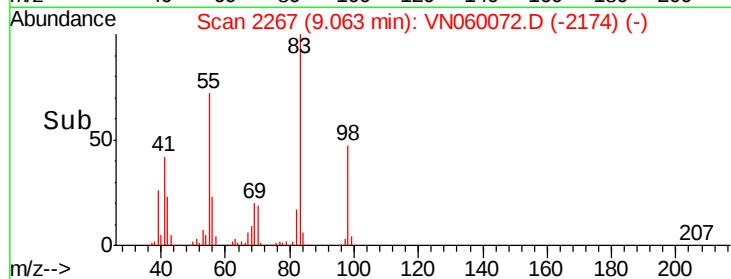
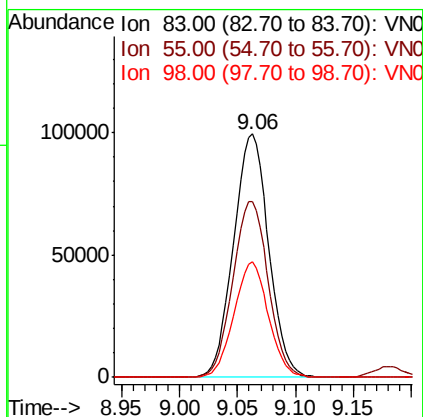
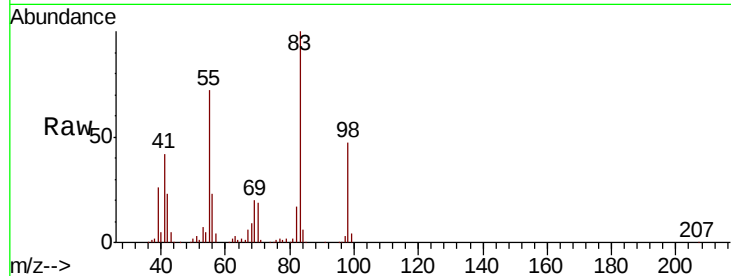




#39  
Methvlcvclohexane  
Concen: 53.403 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

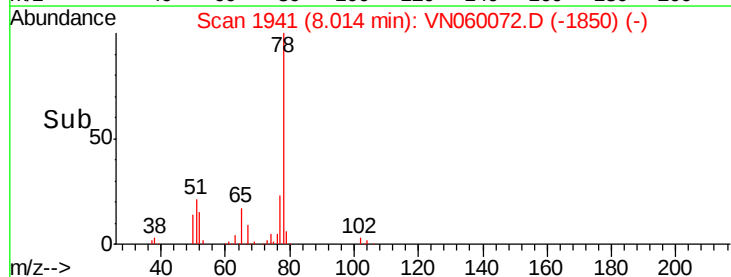
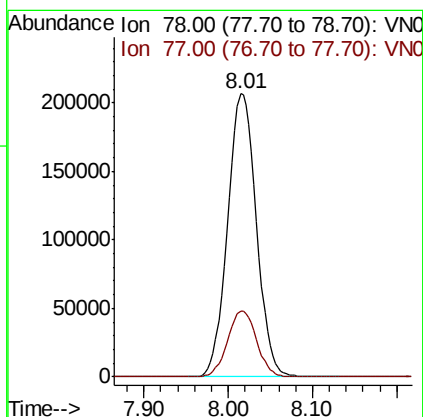
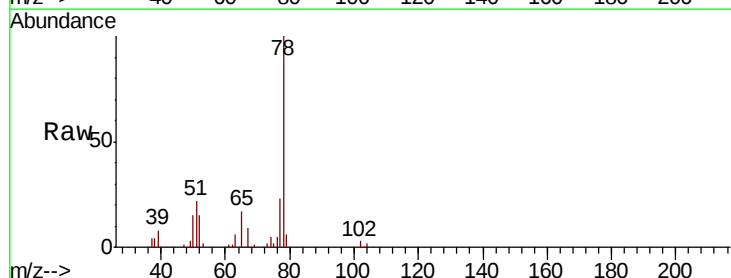
Instrument :  
MSVOA\_N  
ClientSampled :

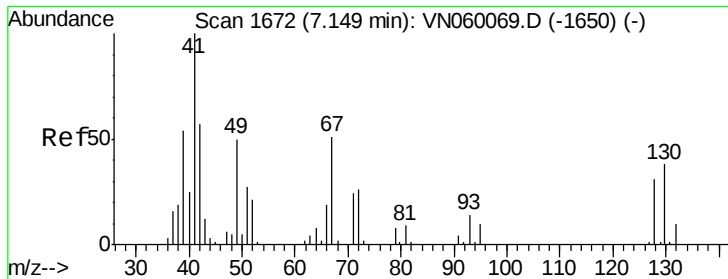
Tot Ion: 83 Resp: 209242  
Ion Ratio Lower Upper  
83 100  
55 72.0 57.8 86.8  
98 47.3 36.4 54.6



#40  
Benzene  
Concen: 52.354 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 78 Resp: 490197  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.8 28.2

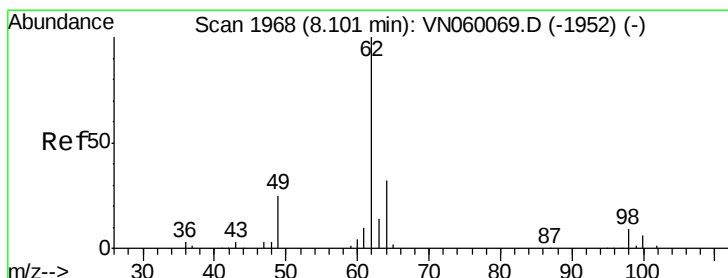
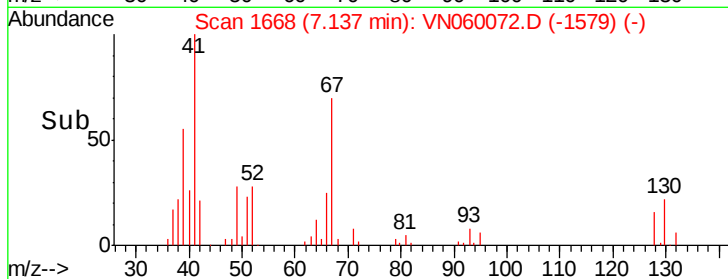
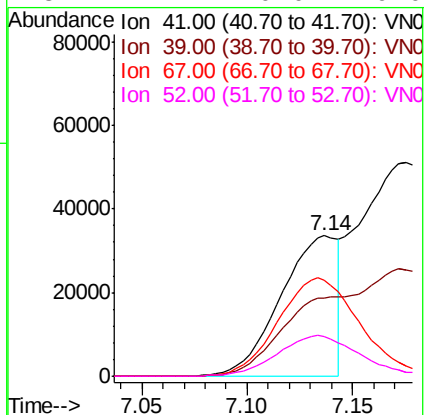
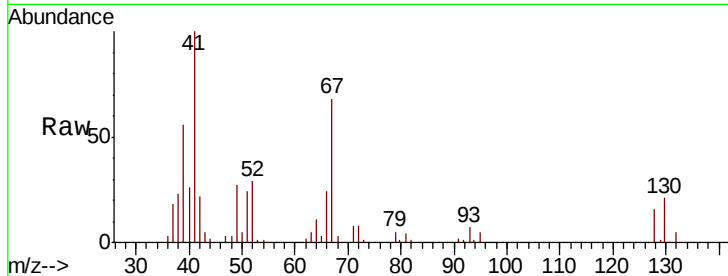




#41  
Methacrylonitrile  
Concen: 53.032 ug/l  
RT: 7.14 min Scan# 1668  
Delta R.T. -0.01 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

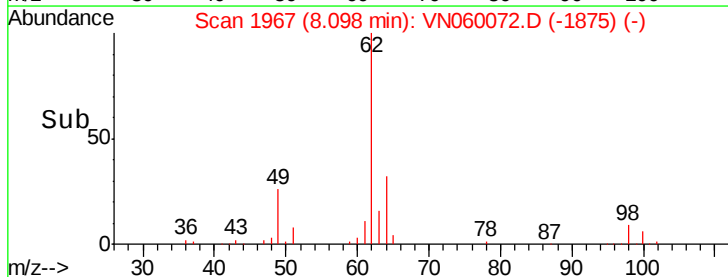
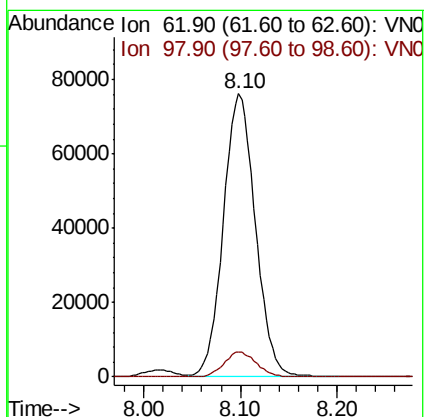
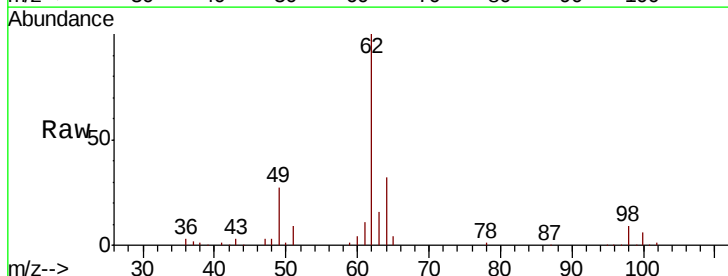
Instrument :  
MSVOA\_N  
ClientSampled :

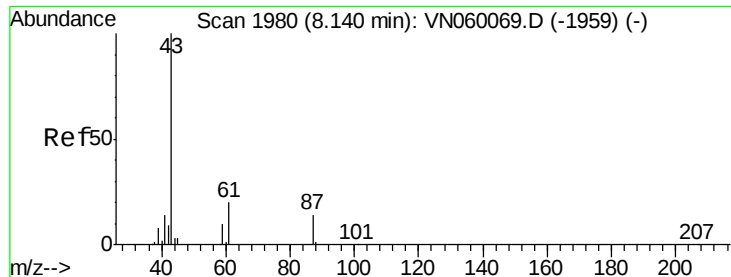
Tot Ion: 41 Resp: 63444  
Ion Ratio Lower Upper  
41 100  
39 0.0 0.0 0.0  
67 100.5 0.0 0.0#  
52 42.2 0.0 0.0#



#42  
1,2-Dichloroethane  
Concen: 53.479 ug/l  
RT: 8.10 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 62 Resp: 175497  
Ion Ratio Lower Upper  
62 100  
98 8.8 0.0 18.2





#43

Isopropyl Acetate

Concen: 53.937 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

ClientSampleId :

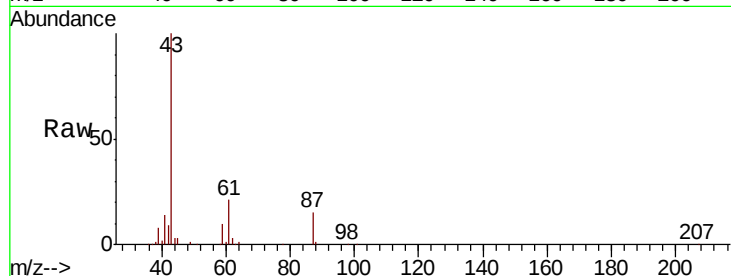
Tot Ion: 43 Resp: 263018

Ion Ratio Lower Upper

43 100

61 27.2 21.8 32.6

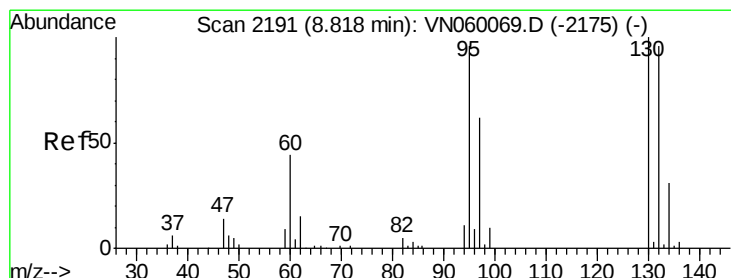
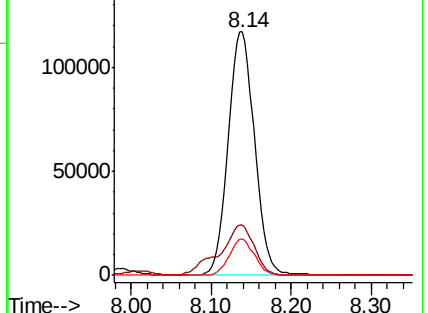
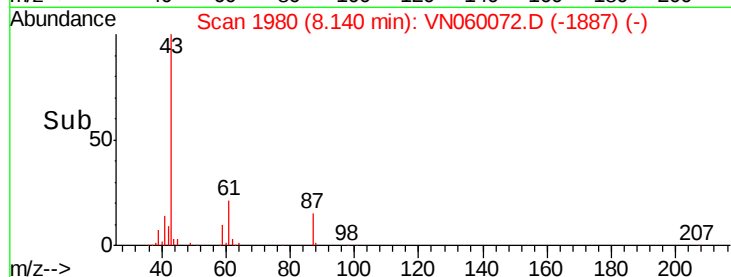
87 14.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#44

Trichloroethene

Concen: 52.009 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060072.D

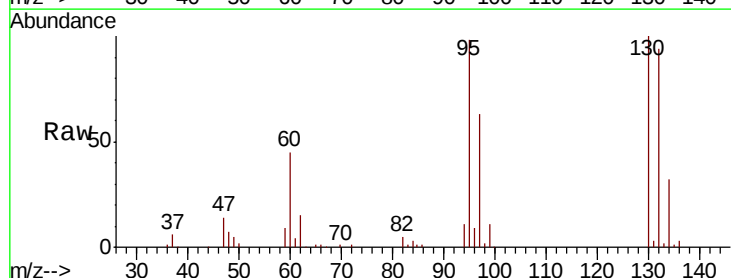
Acq: 12 Feb 2020 14:04

Tgt Ion: 130 Resp: 134837

Ion Ratio Lower Upper

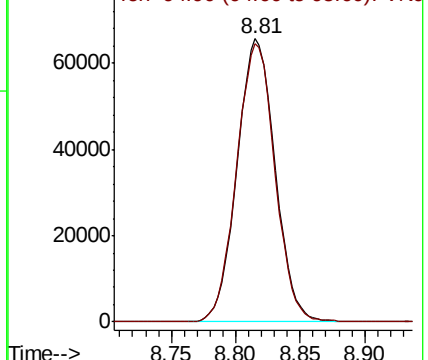
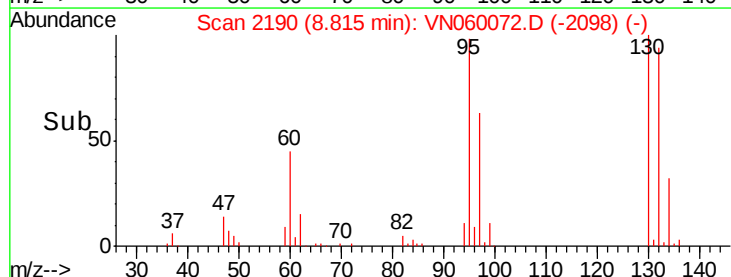
130 100

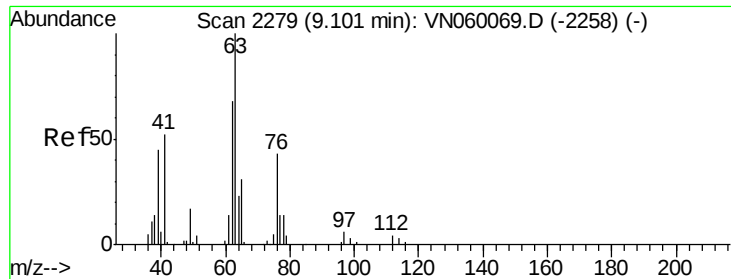
95 98.3 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060069.D (-2175) (-)

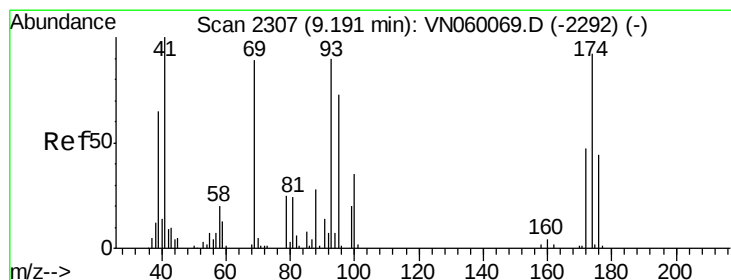
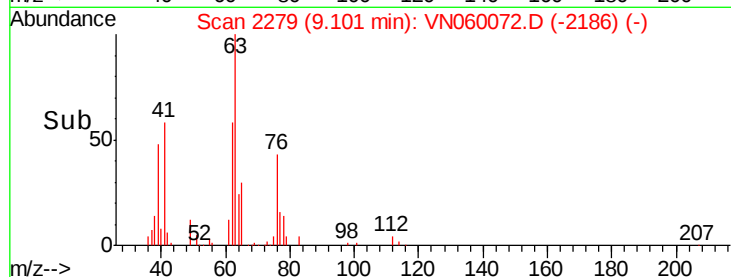
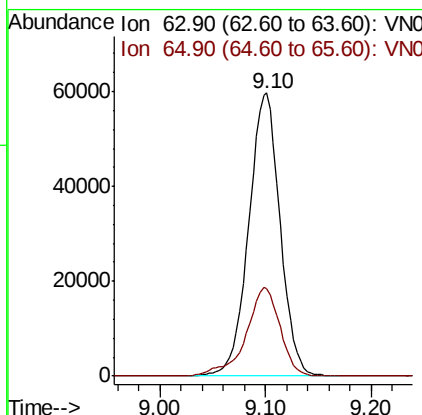
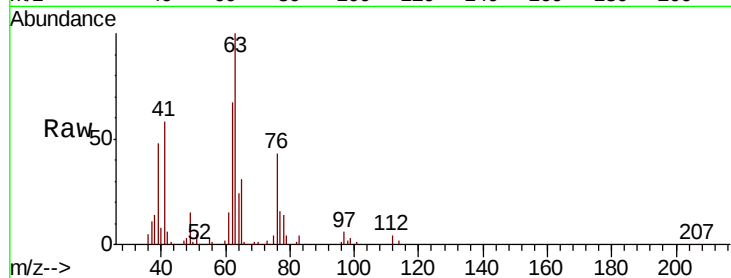




#45  
 1,2-Dichloropropane  
 Concen: 53.356 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

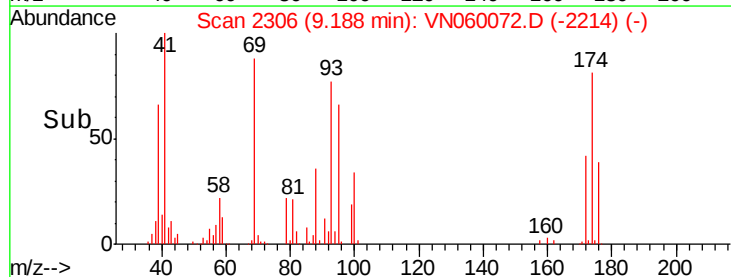
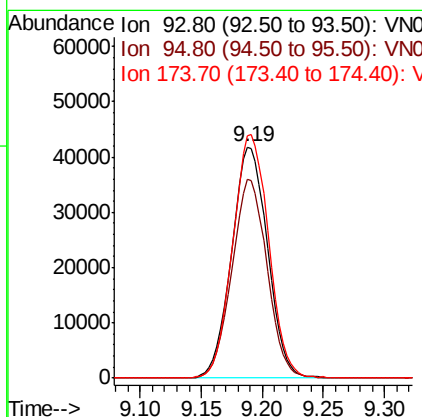
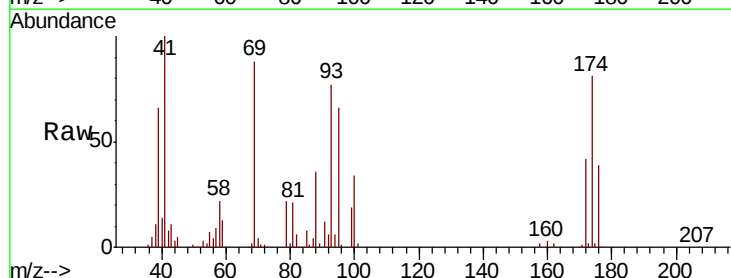
Instrument :  
 MSVOA\_N  
 ClientSampleId :

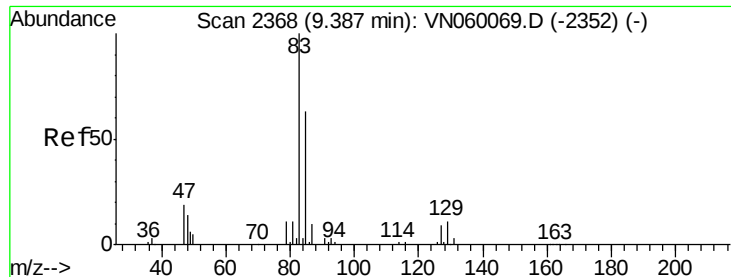
Tot Ion: 63 Resp: 123684  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 25.0 37.4



#46  
 Dibromomethane  
 Concen: 52.179 ug/l  
 RT: 9.19 min Scan# 2306  
 Delta R.T. -0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

Tgt Ion: 93 Resp: 85475  
 Ion Ratio Lower Upper  
 93 100  
 95 84.4 65.0 97.6  
 174 105.4 82.3 123.5

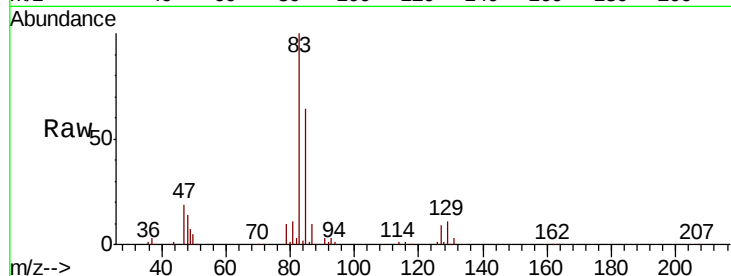




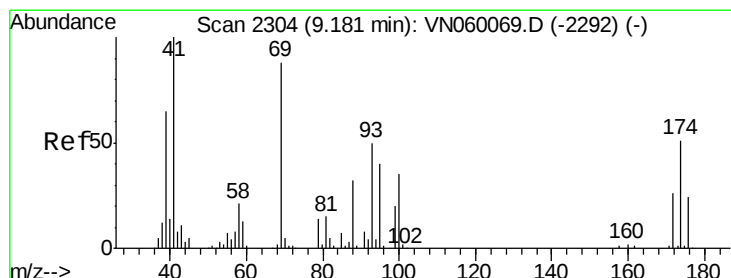
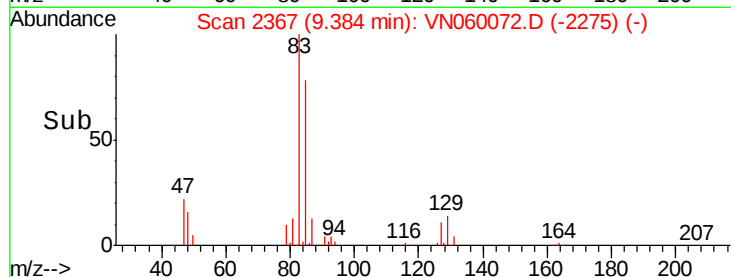
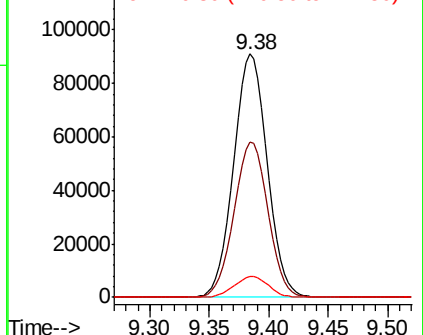
#47  
 Bromodichloromethane  
 Concen: 53.573 ug/l  
 RT: 9.38 min Scan# 2367  
 Delta R.T. -0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion: 83 Resp: 178421  
 Ion Ratio Lower Upper  
 83 100  
 85 63.9 50.6 75.8  
 127 8.6 7.0 10.6

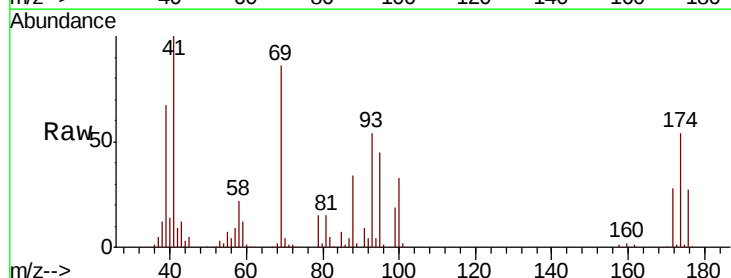


Abundance Ion 82.90 (82.60 to 83.60): VN0  
 Ion 84.90 (84.60 to 85.60): VN0  
 Ion 126.80 (126.50 to 127.50): V

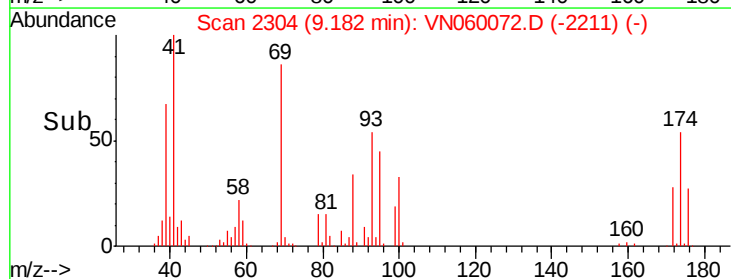
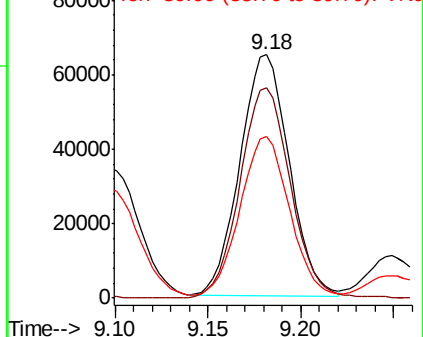


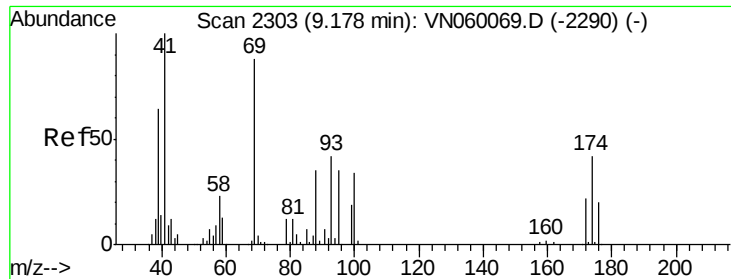
#48  
 Methyl methacrylate  
 Concen: 54.540 ug/l  
 RT: 9.18 min Scan# 2304  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

Tgt Ion: 41 Resp: 119328  
 Ion Ratio Lower Upper  
 41 100  
 69 89.9 72.0 108.0  
 39 65.5 54.1 81.1



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

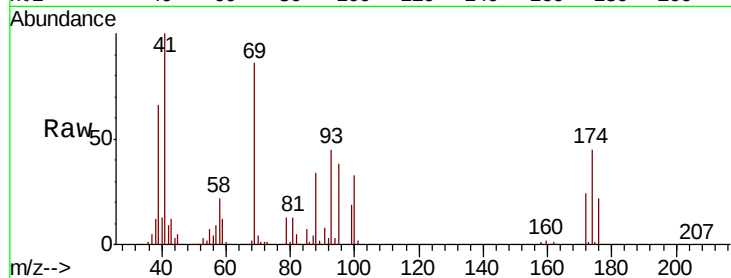




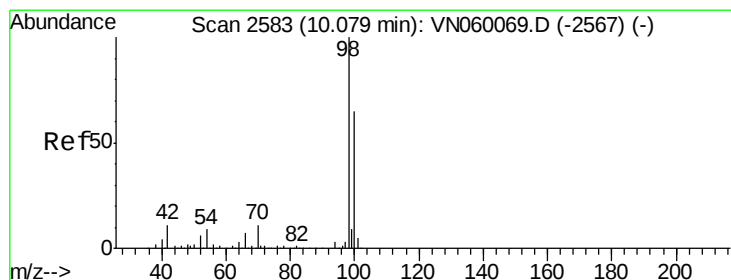
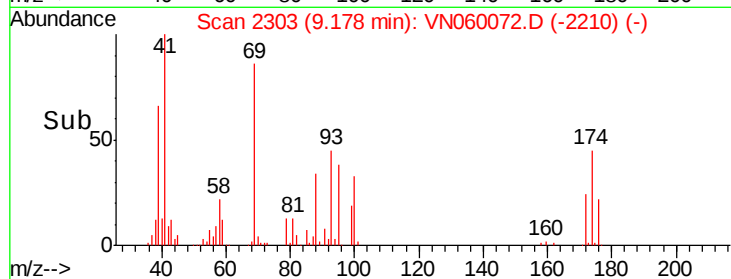
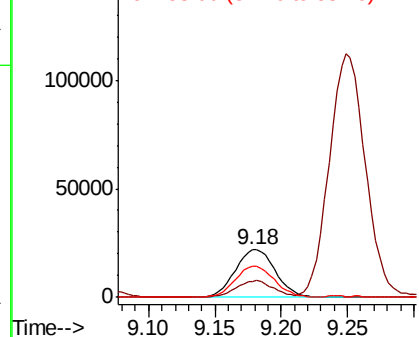
#49  
1,4-Dioxane  
Concen: 1245.115 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 88 Resp: 46545  
Ion Ratio Lower Upper  
88 100  
43 32.4 26.2 39.2  
58 64.5 53.2 79.8

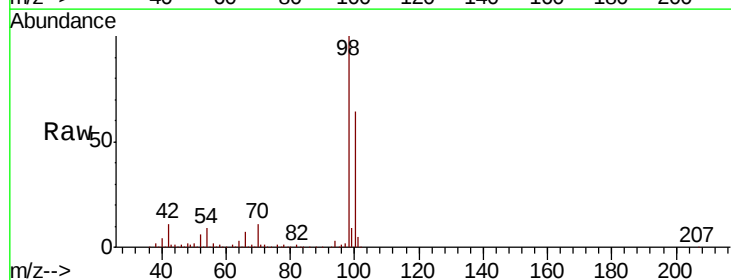


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

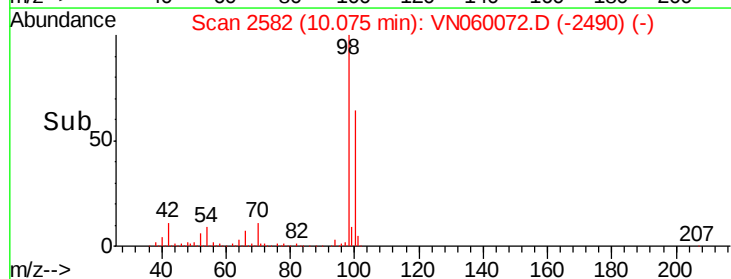
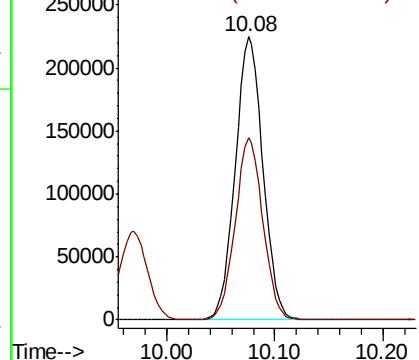


#50  
Toluene-d8  
Concen: 48.733 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 98 Resp: 402003  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 279.709 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

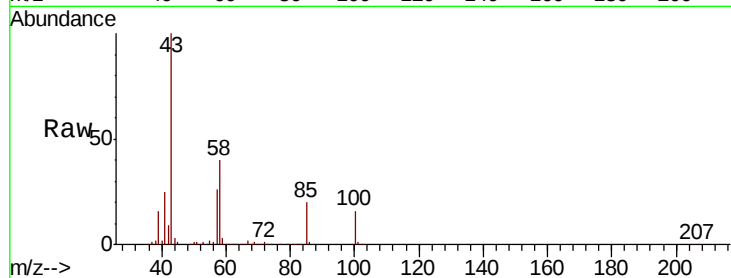
ClientSampleId :

Tot Ion: 43 Resp: 789493

Ion Ratio Lower Upper

43 100

58 40.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

400000

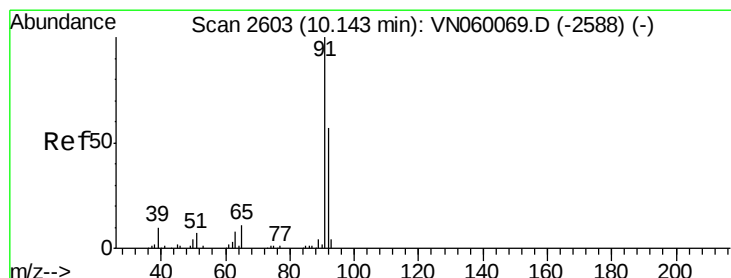
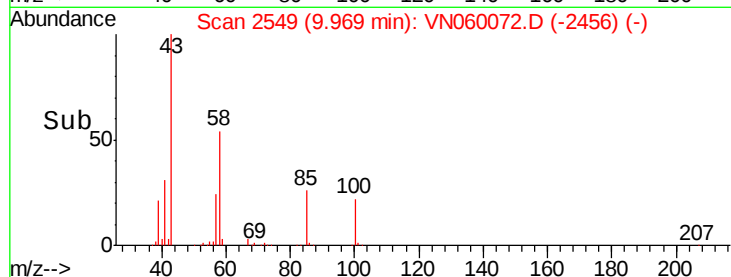
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.611 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060072.D

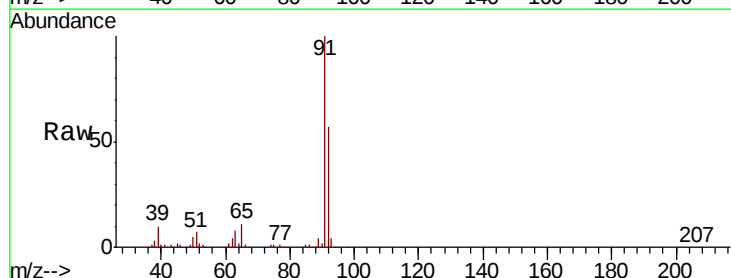
Acq: 12 Feb 2020 14:04

Tgt Ion: 92 Resp: 321894

Ion Ratio Lower Upper

92 100

91 174.3 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

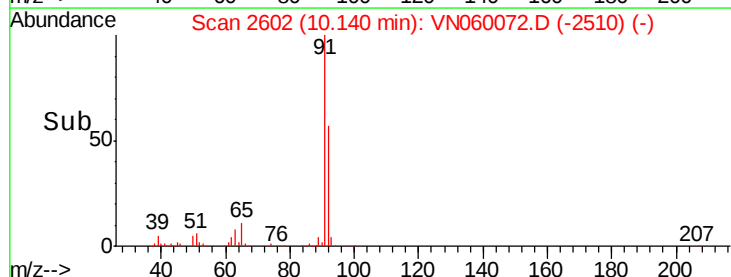
300000

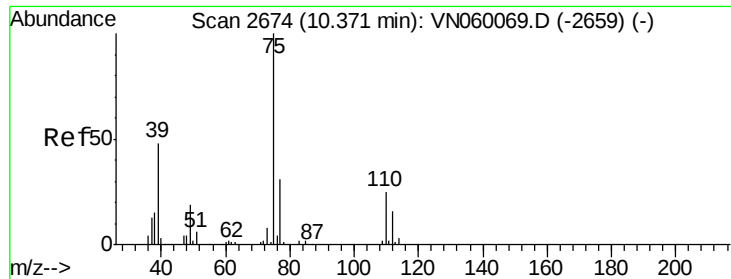
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.058 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

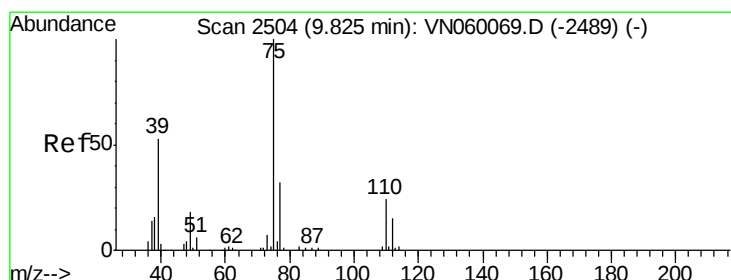
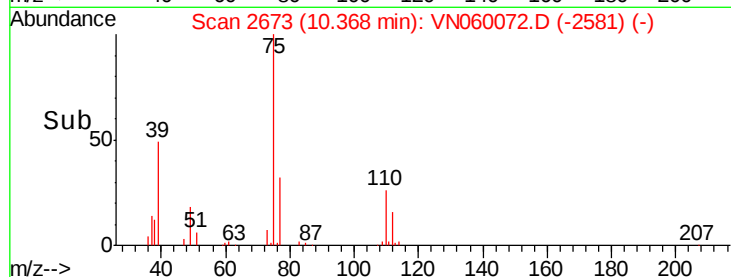
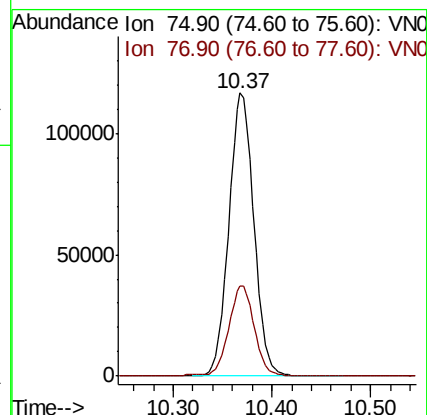
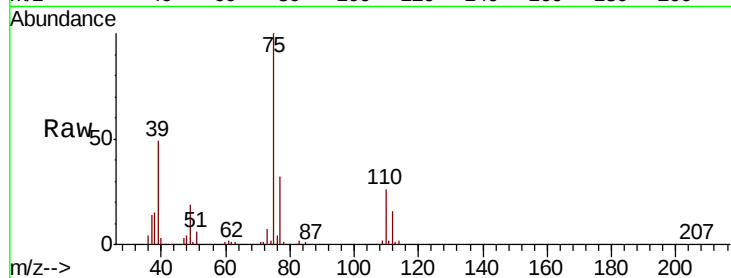
ClientSampleId :

Tot Ion: 75 Resp: 206976

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 54.565 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

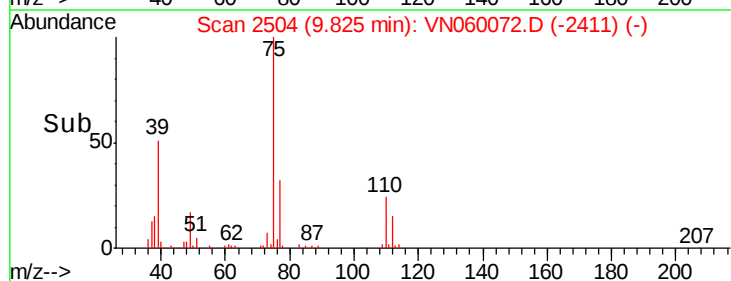
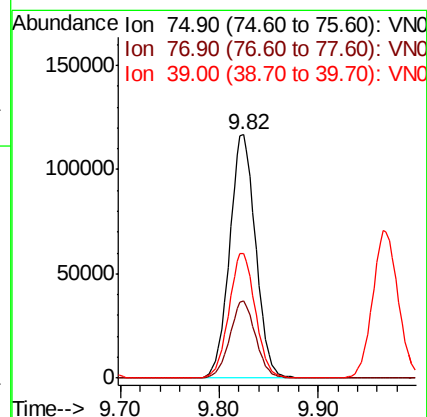
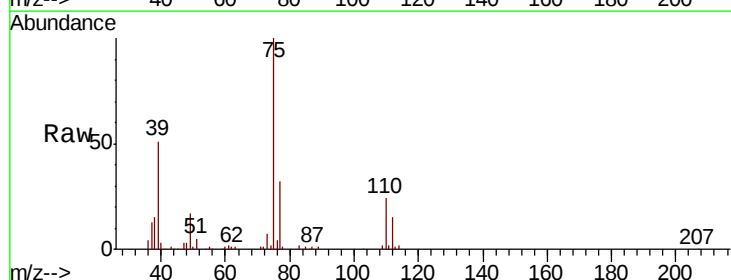
Tgt Ion: 75 Resp: 215996

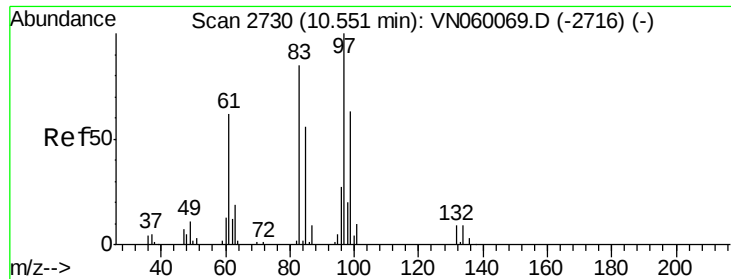
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 51.0 42.2 63.4

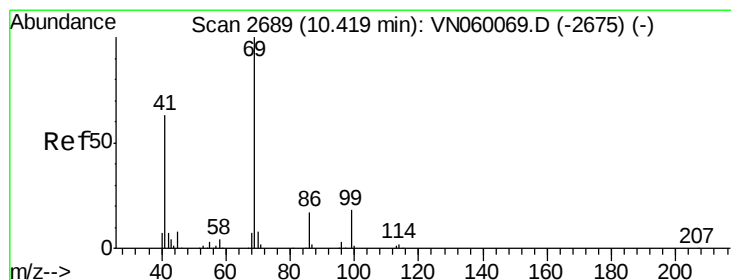
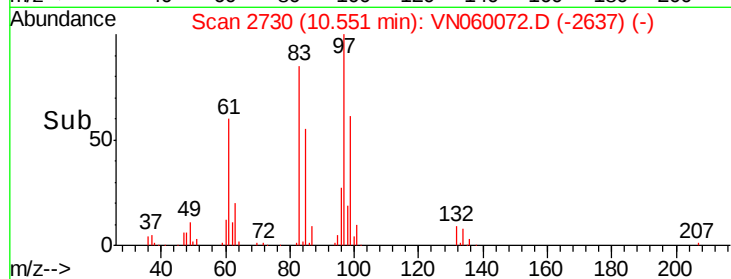
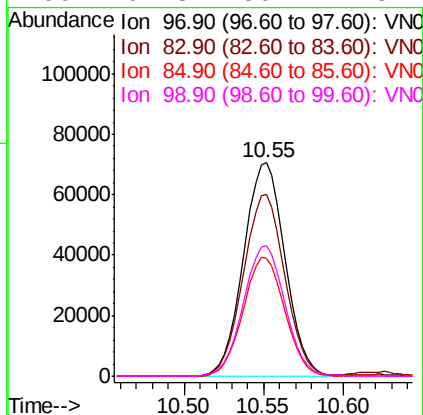
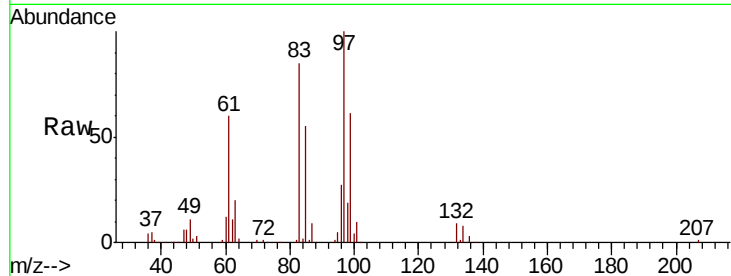




#55  
 1,1,2-Trichloroethane  
 Concen: 53.373 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

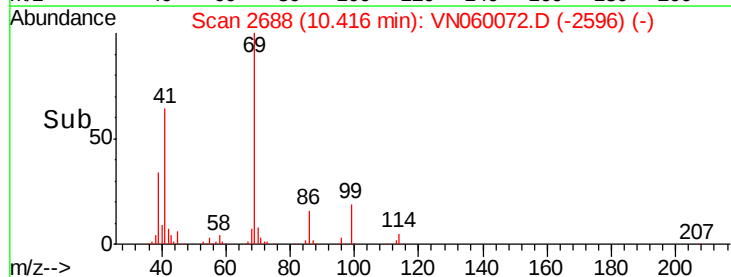
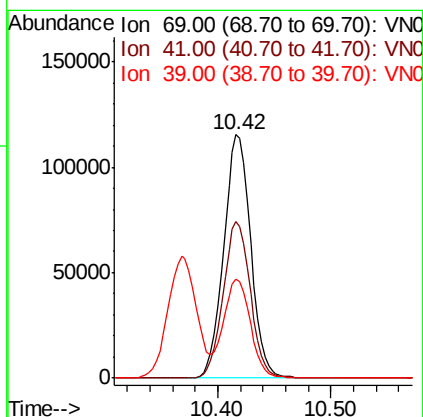
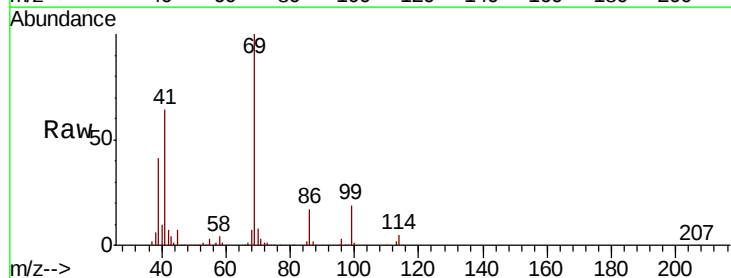
Instrument :  
 MSVOA\_N  
 ClientSampled :

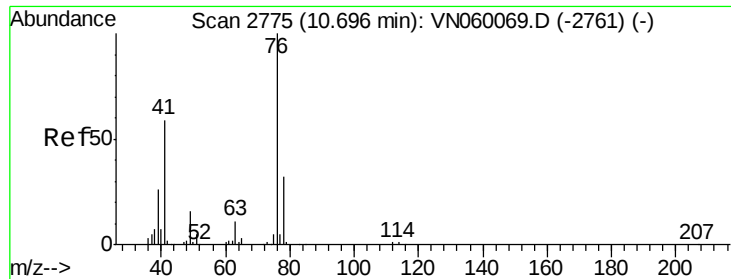
| Tot Ion   | 97    | Resp  | 125021 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 85.1  | 67.9  | 101.9  |
| 85        | 55.3  | 44.6  | 67.0   |
| 99        | 61.3  | 50.1  | 75.1   |



#56  
 Ethyl methacrylate  
 Concen: 57.863 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. -0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

| Tgt Ion   | 69    | Resp  | 191737 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 63.9  | 51.1  | 76.7   |
| 39        | 40.6  | 33.8  | 50.8   |





#57

1,3-Dichloropropane

Concen: 53.271 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

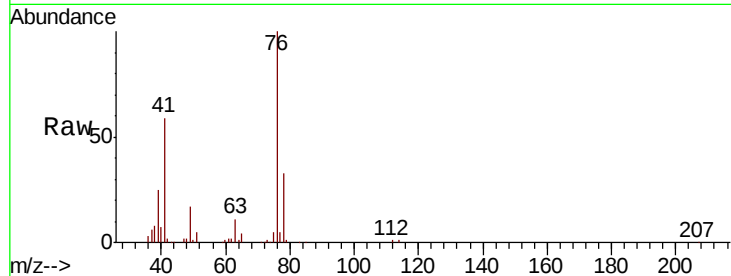
ClientSampled :

Tot Ion: 76 Resp: 205899

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN060069.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060069.D (-2761) (-)

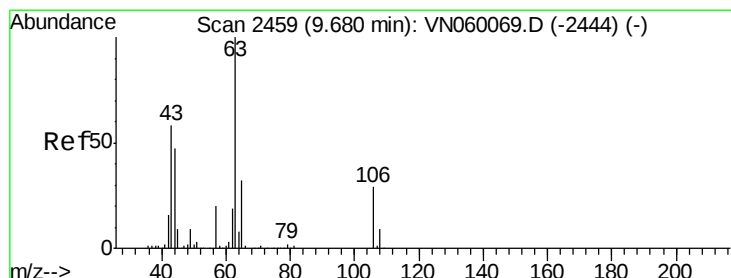
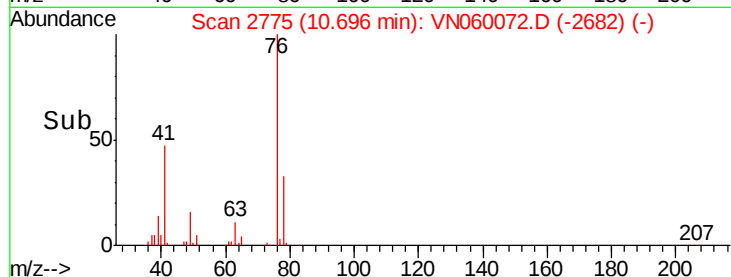
10.70

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 256.864 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060072.D

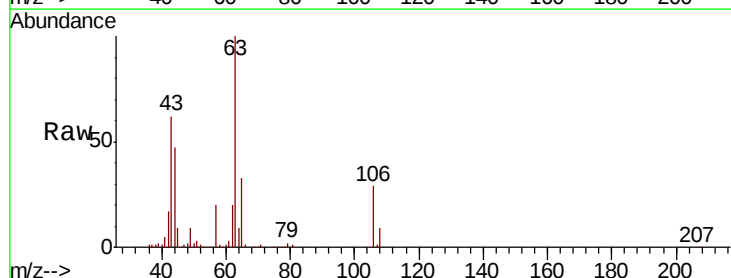
Acq: 12 Feb 2020 14:04

Tgt Ion: 63 Resp: 396526

Ion Ratio Lower Upper

63 100

106 28.6 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN060069.D (-2444) (-)

9.68

250000

200000

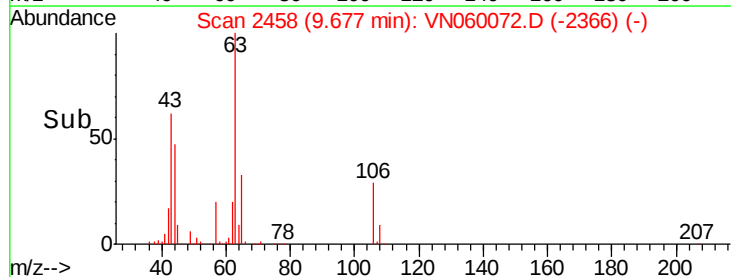
150000

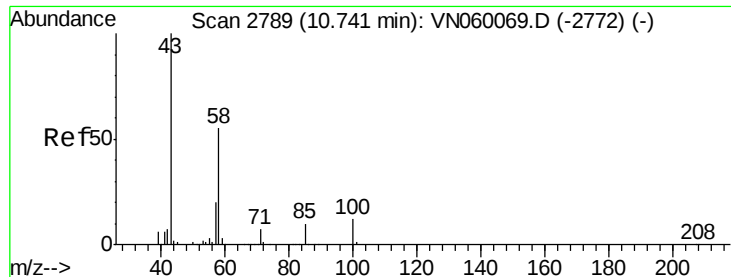
100000

50000

0

Time--> 9.60 9.70 9.80

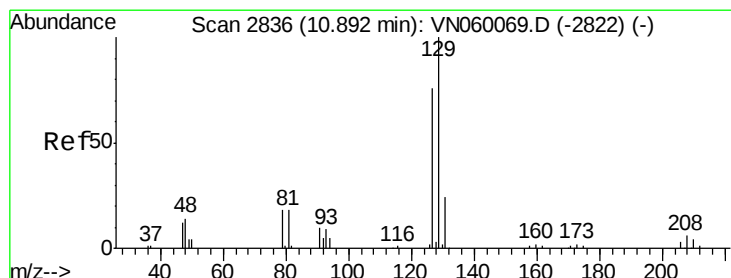
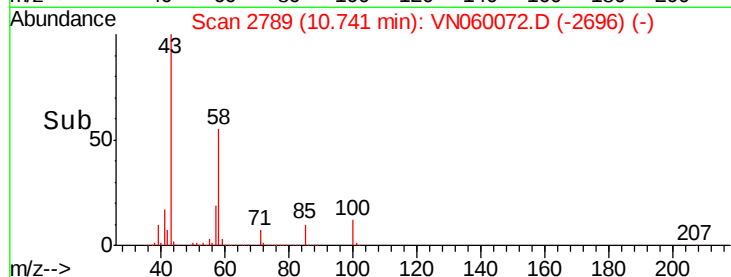
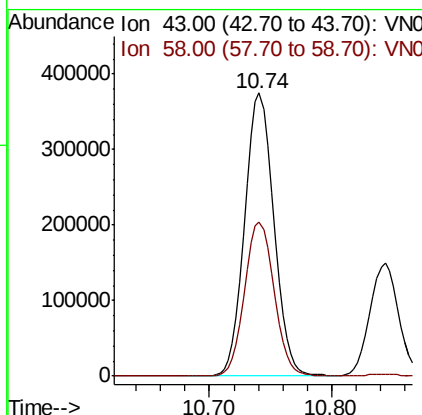
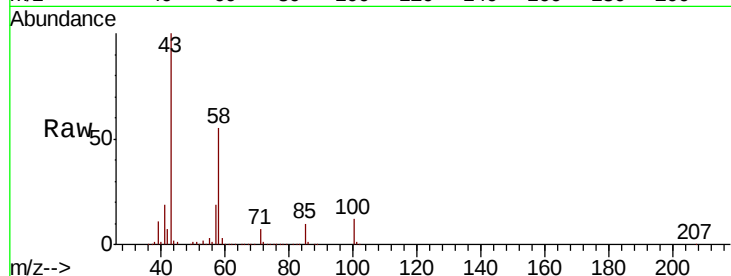




#59  
2-Hexanone  
Concen: 282.712 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

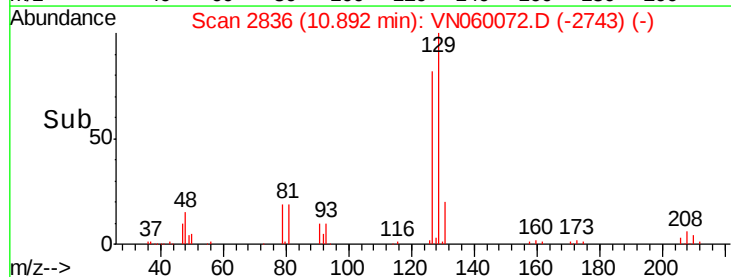
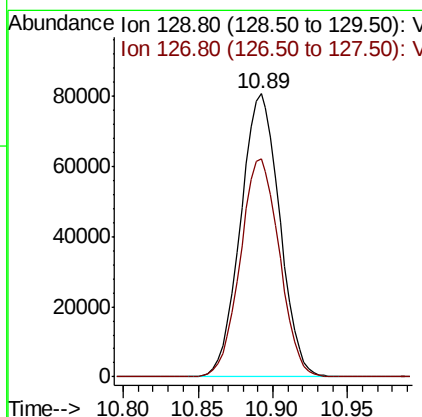
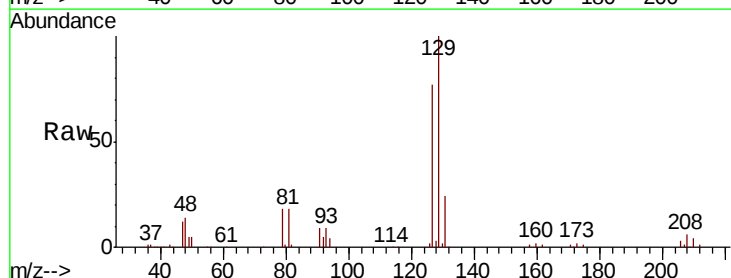
Instrument :  
MSVOA\_N  
ClientSampled :

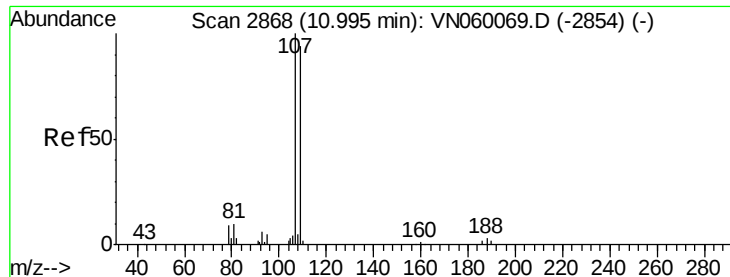
Tot Ion: 43 Resp: 616410  
Ion Ratio Lower Upper  
43 100  
58 55.2 27.5 82.4



#60  
Dibromochloromethane  
Concen: 54.599 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 129 Resp: 146764  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.0 114.1

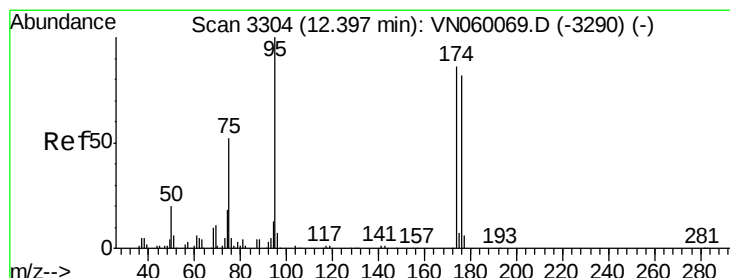
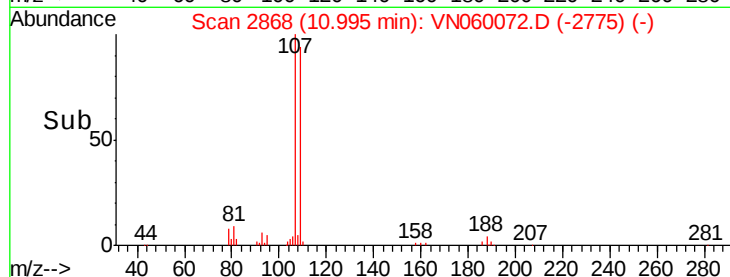
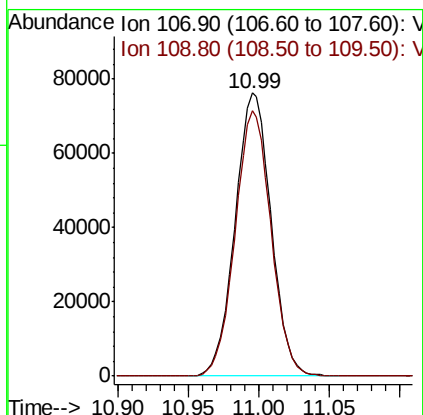
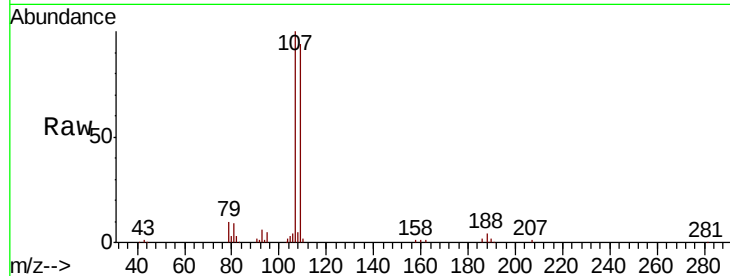




#61  
 1,2-Dibromoethane  
 Concen: 55.457 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

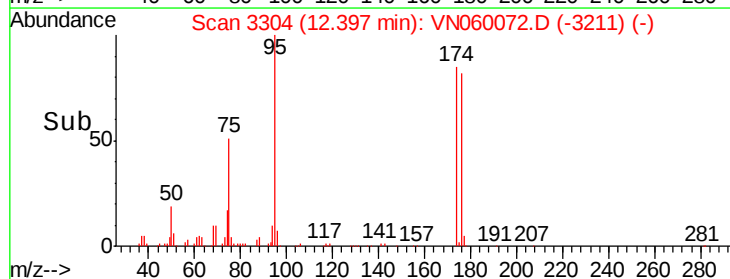
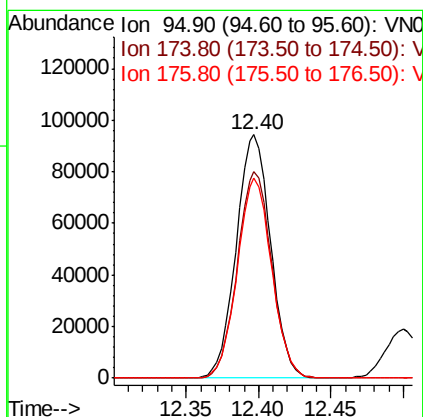
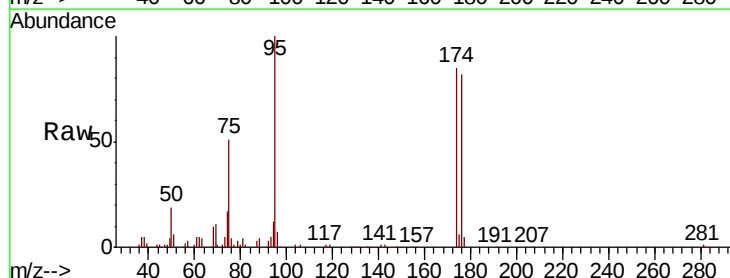
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:107 Resp: 136176  
 Ion Ratio Lower Upper  
 107 100  
 109 93.3 75.4 113.0



#62  
 4-Bromofluorobenzene  
 Concen: 51.281 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

Tgt Ion: 95 Resp: 155441  
 Ion Ratio Lower Upper  
 95 100  
 174 84.8 0.0 169.8  
 176 82.1 0.0 164.8

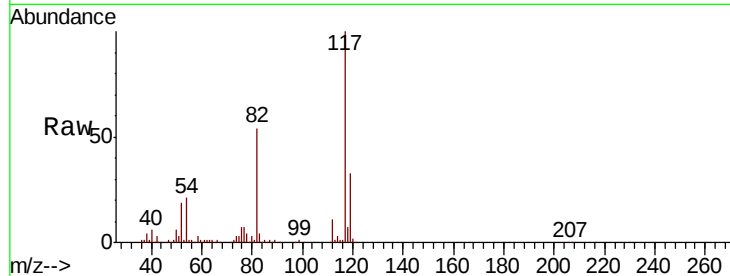




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 43.4  | 65.0  |
| 119     | 32.9  | 25.8  | 38.6  |

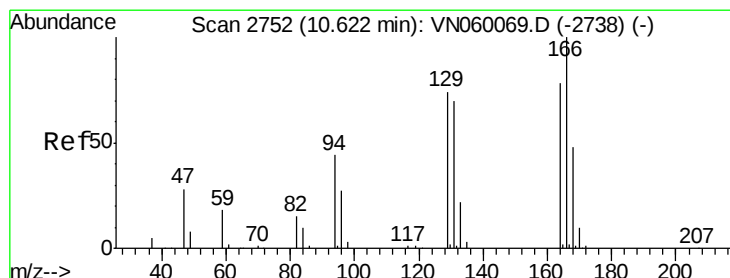
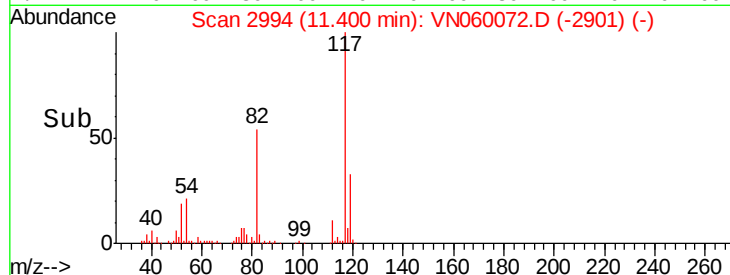
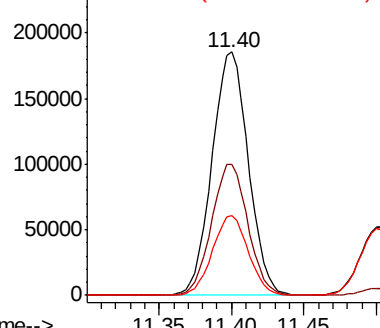


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 50.434 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.7 | 101.9 | 152.9 |
| 129     | 94.8  | 75.4  | 113.0 |
| 131     | 90.1  | 71.4  | 107.2 |

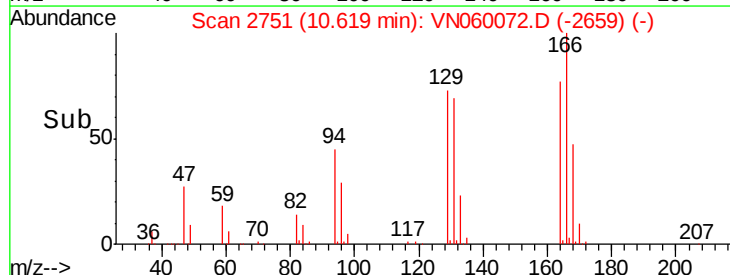
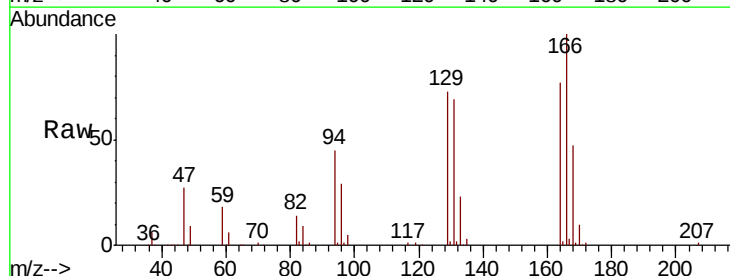
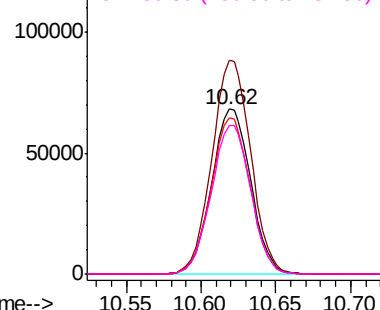
Abundance

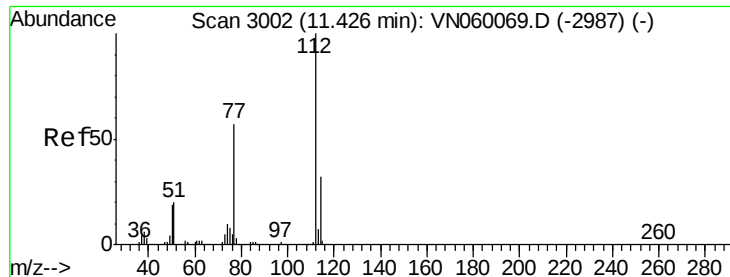
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

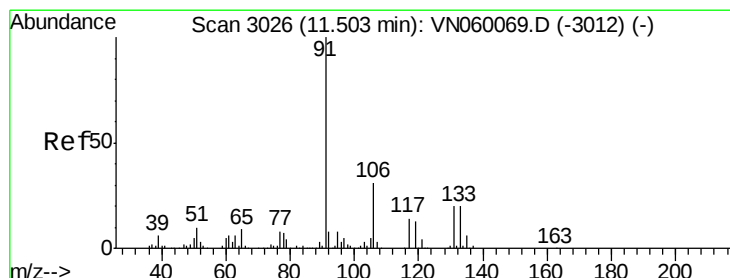
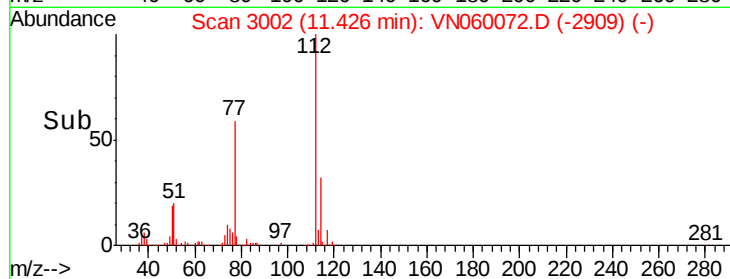
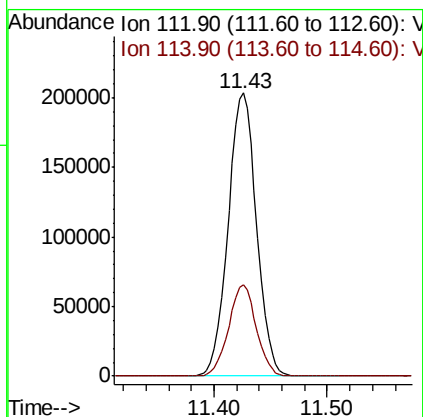
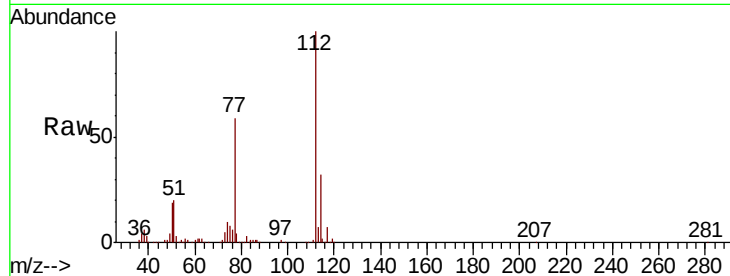




#65  
Chlorobenzene  
Concen: 53.693 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

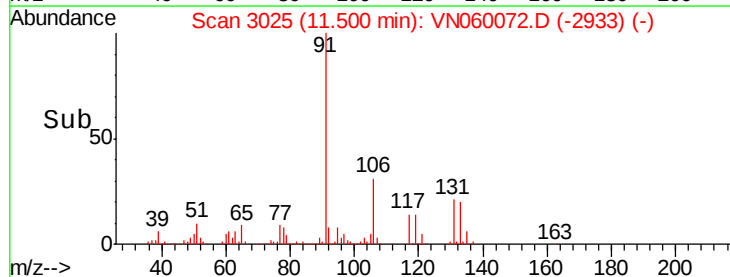
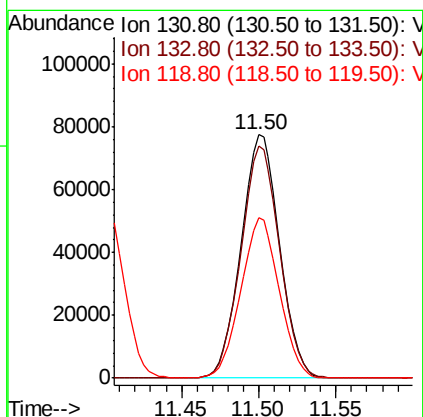
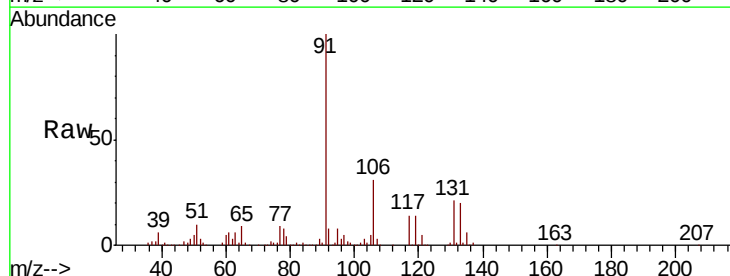
Instrument :  
MSVOA\_N  
ClientSampled :

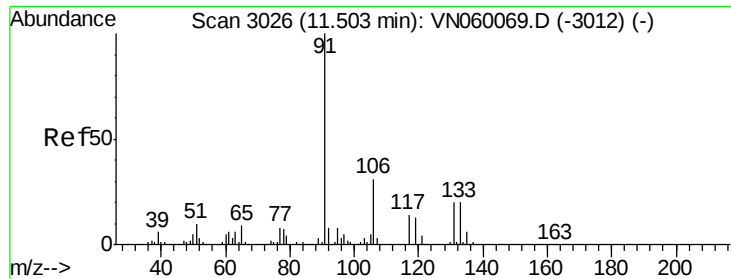
Tot Ion:112 Resp: 353839  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.726 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion:131 Resp: 133939  
Ion Ratio Lower Upper  
131 100  
133 95.8 47.9 143.7  
119 65.7 32.6 97.7

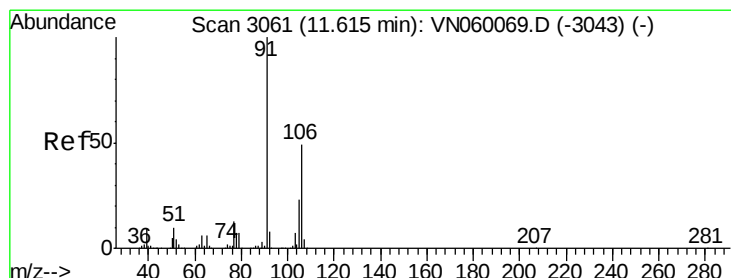
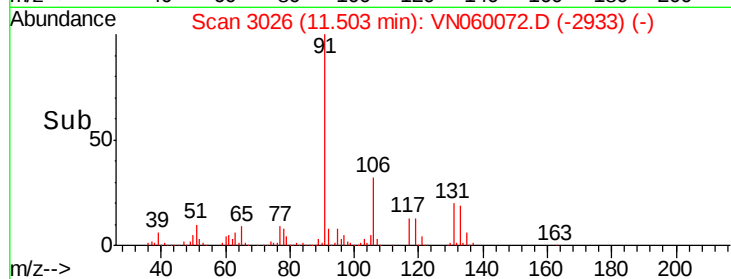
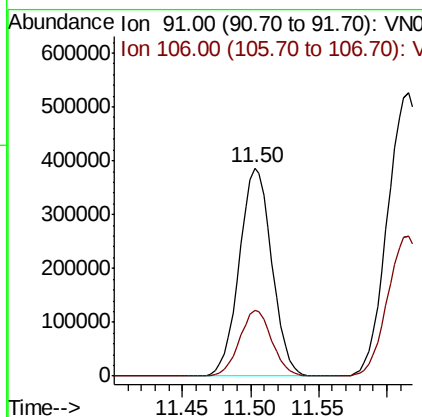
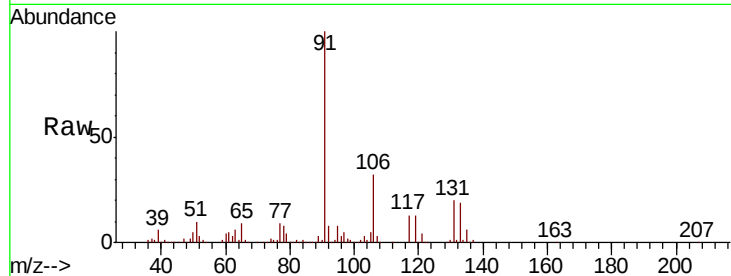




#67  
Ethyl Benzene  
Concen: 53.843 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

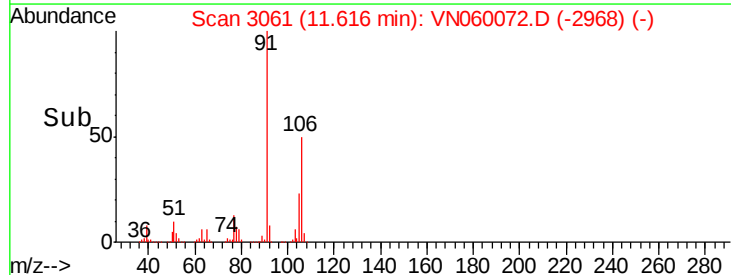
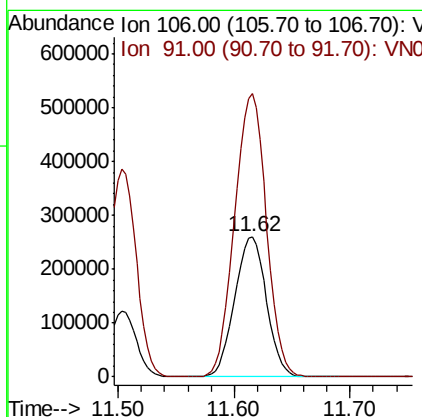
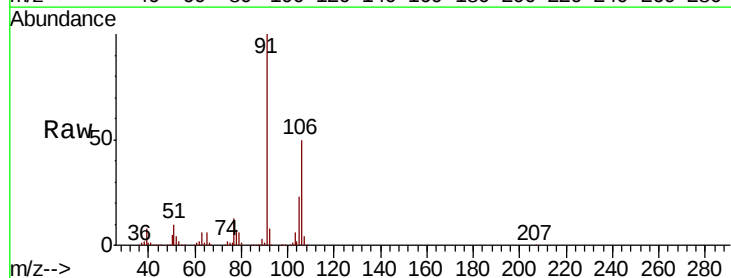
Instrument :  
MSVOA\_N  
ClientSampled :

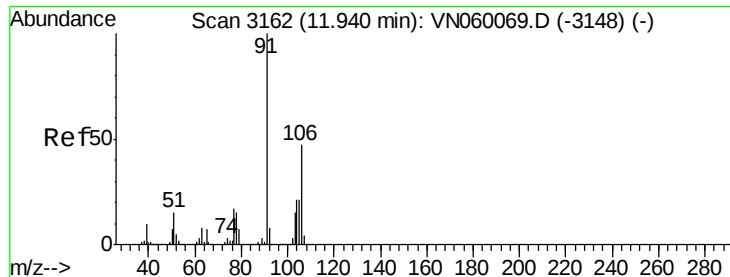
Tot Ion: 91 Resp: 639964  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.1 37.7



#68  
m/p-Xylenes  
Concen: 110.401 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 106 Resp: 492488  
Ion Ratio Lower Upper  
106 100  
91 202.4 162.7 244.1

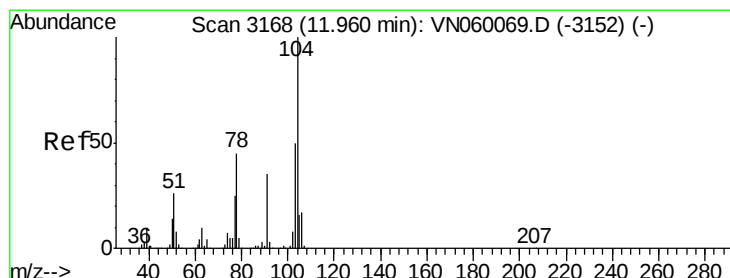
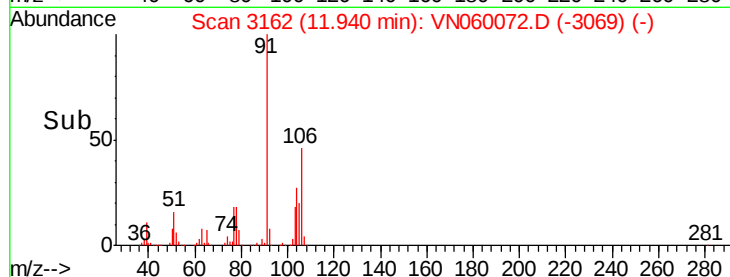
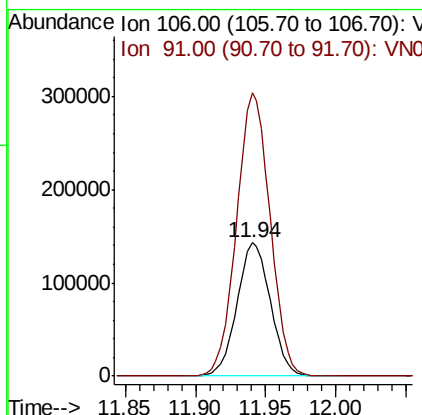
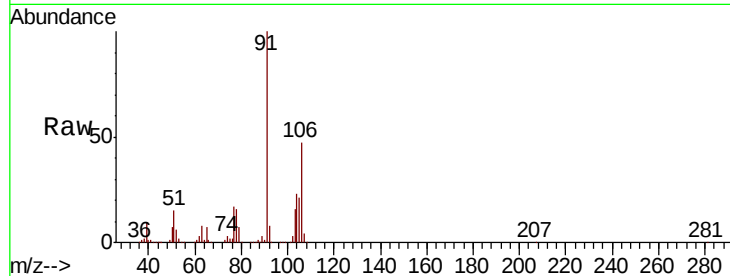




#69  
o-Xylene  
Concen: 55.086 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

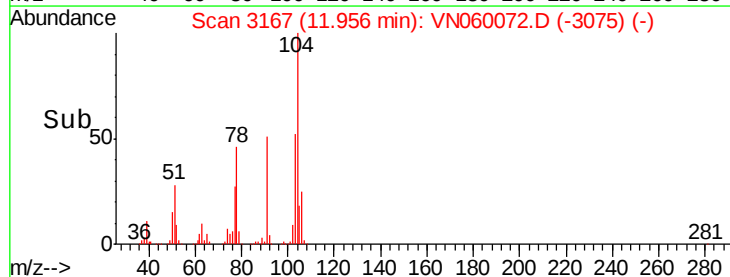
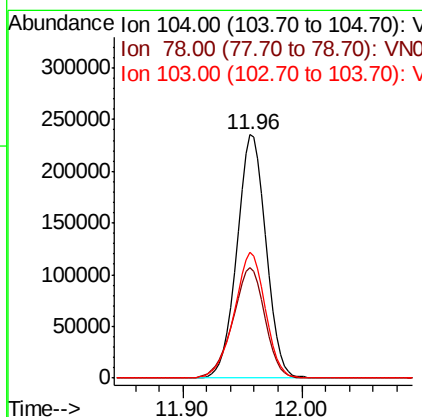
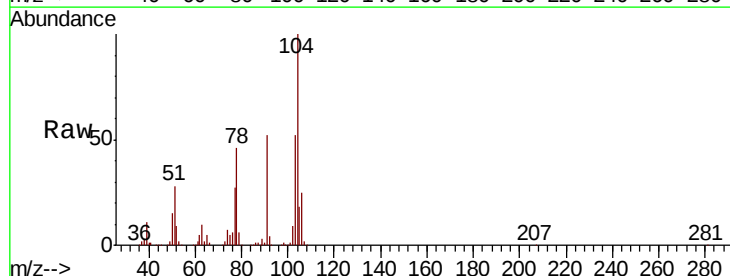
Instrument :  
MSVOA\_N  
ClientSampleId :

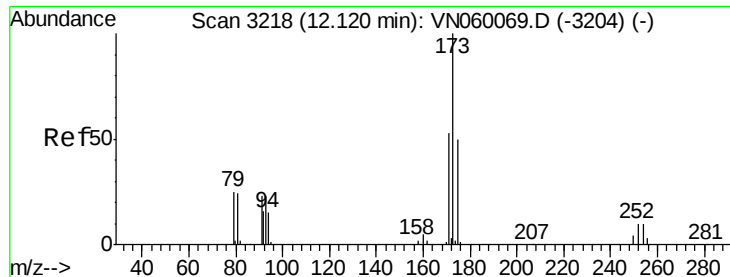
Tot Ion:106 Resp: 236601  
Ion Ratio Lower Upper  
106 100  
91 213.8 107.2 321.6



#70  
Styrene  
Concen: 57.533 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion:104 Resp: 398485  
Ion Ratio Lower Upper  
104 100  
78 50.0 40.2 60.2  
103 55.2 44.3 66.5

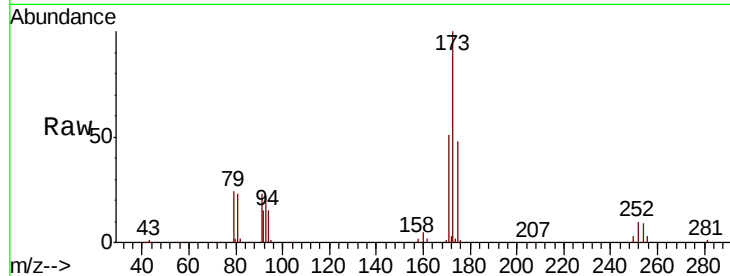




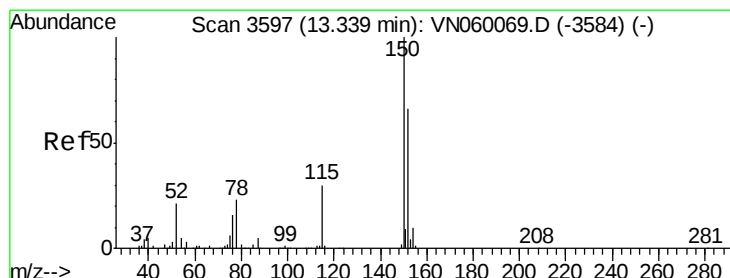
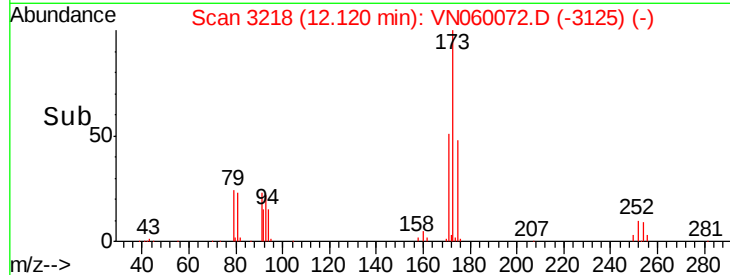
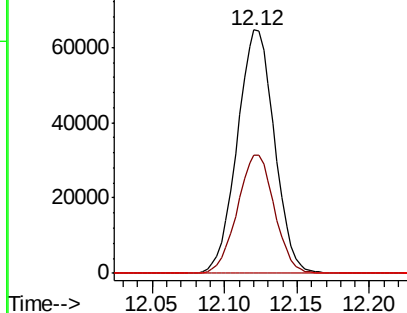
#71  
Bromoform  
Concen: 57.338 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:173 Resp: 114971  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.9 74.6  
254 0.0 0.0 0.0

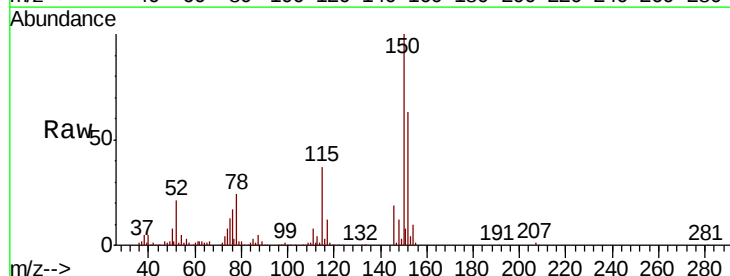


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

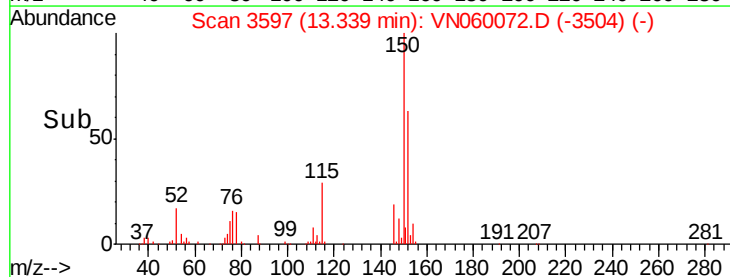
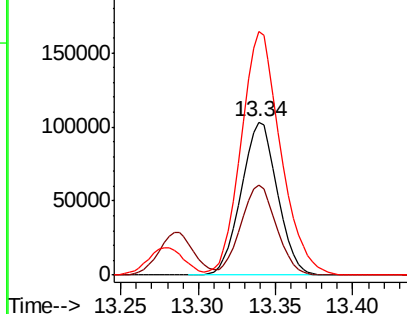


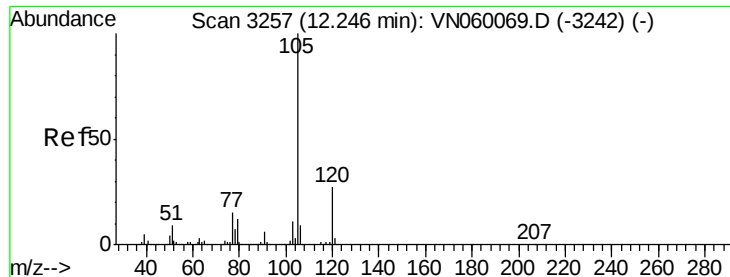
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion:152 Resp: 167842  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.9 86.8  
150 173.8 0.0 342.4



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: 51.799 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

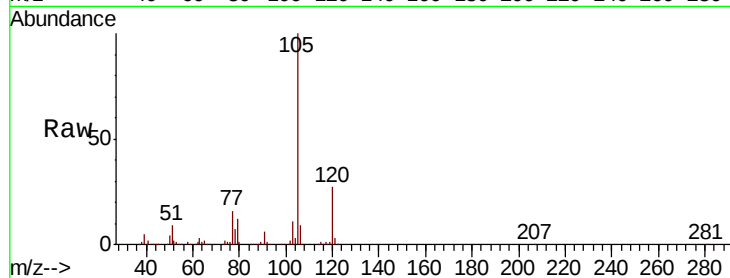
ClientSampleId :

Tot Ion:105 Resp: 649225

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

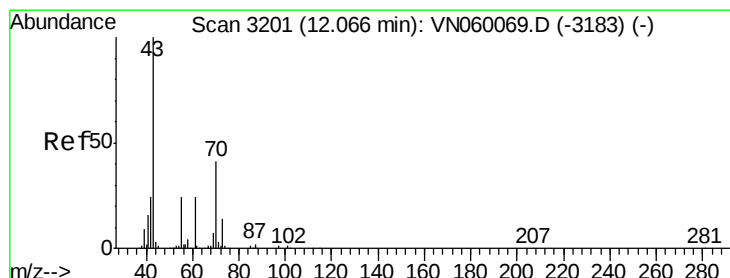
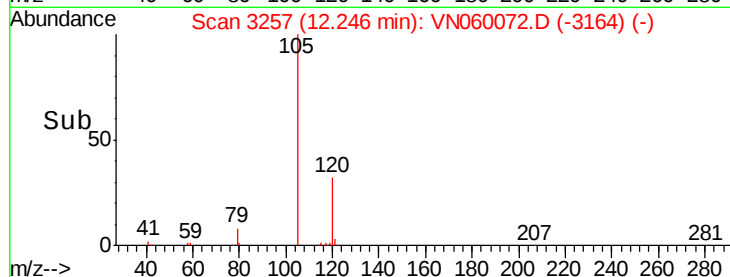
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 55.525 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Tgt Ion: 43 Resp: 250947

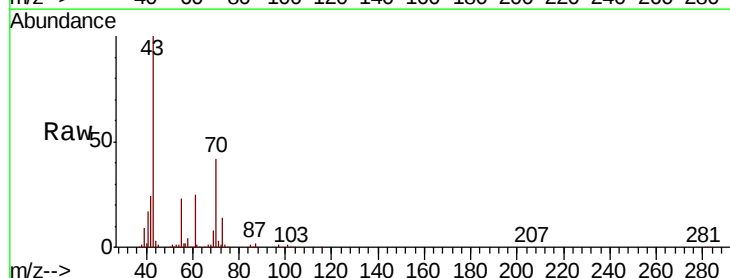
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 23.6 18.8 28.2

61 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

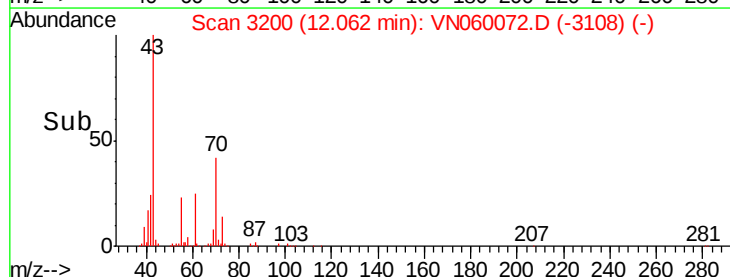
100000

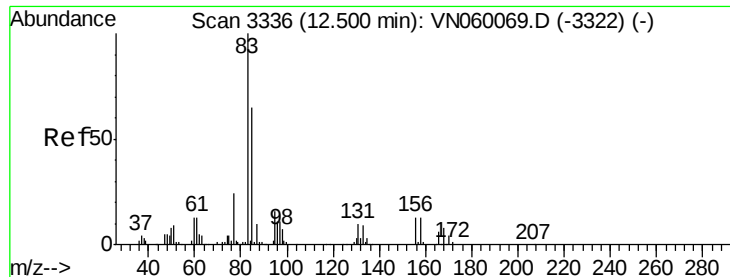
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 52.384 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

ClientSampled :

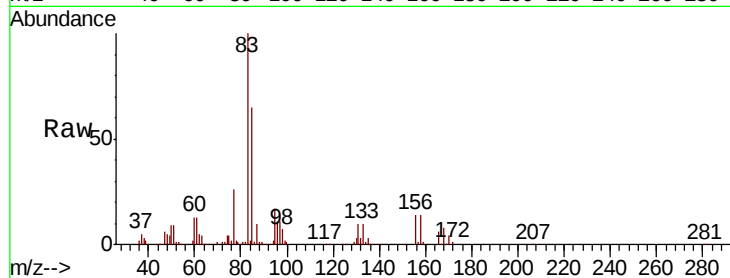
Tot Ion: 83 Resp: 188979

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

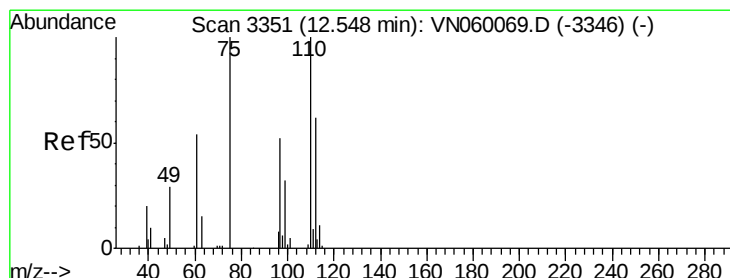
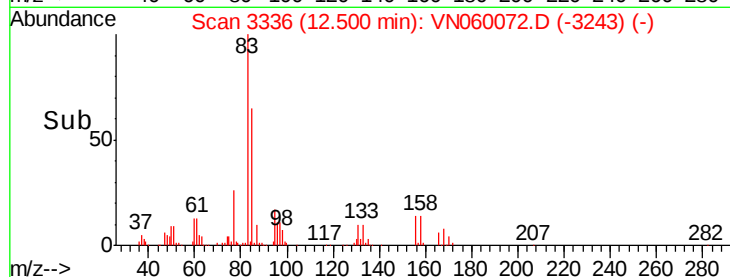
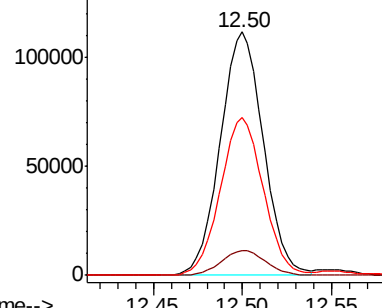
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060072.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060072.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060072.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 79.253 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060072.D

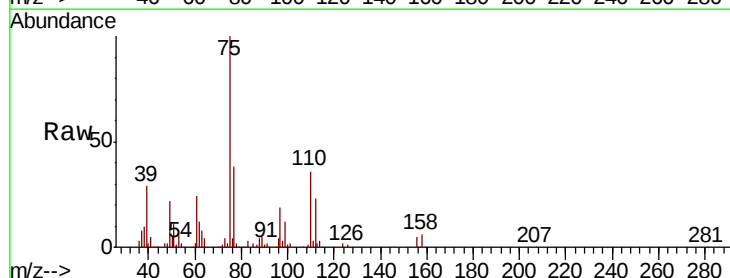
Acq: 12 Feb 2020 14:04

Tgt Ion: 75 Resp: 254497

Ion Ratio Lower Upper

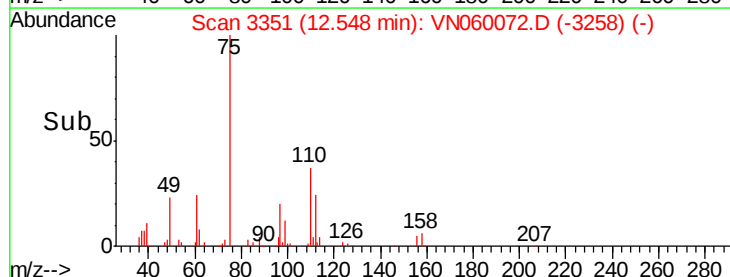
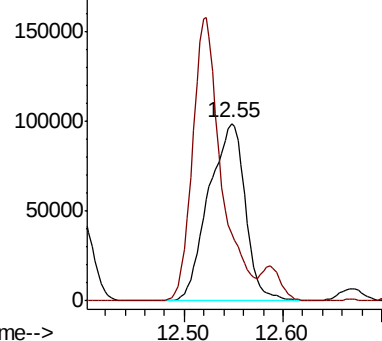
75 100

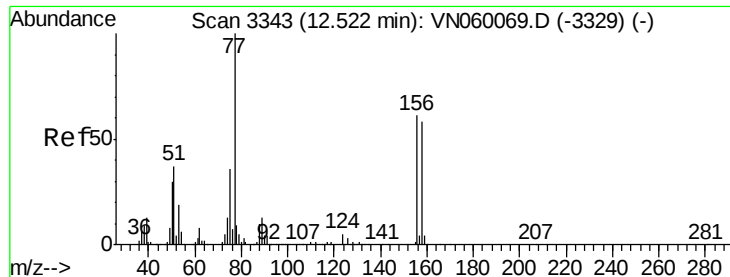
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060072.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060072.D (-3258) (-)





#77

Bromobenzene

Concen: 52.483 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

ClientSampleId :

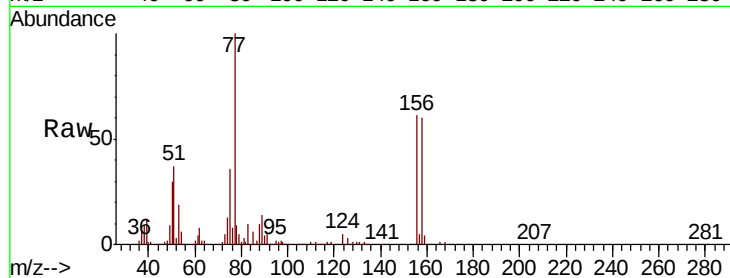
Tot Ion:156 Resp: 163245

Ion Ratio Lower Upper

156 100

77 197.7 98.7 296.1

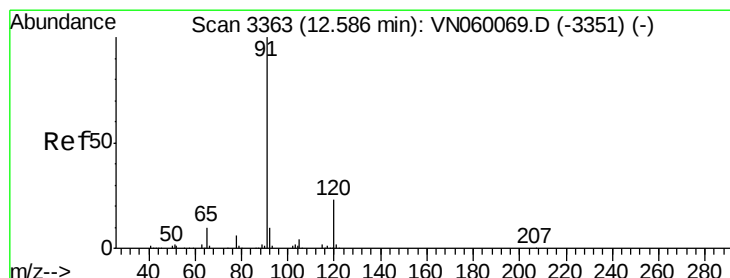
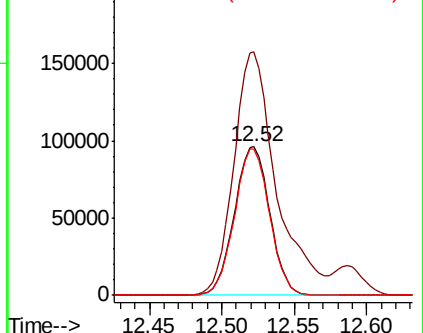
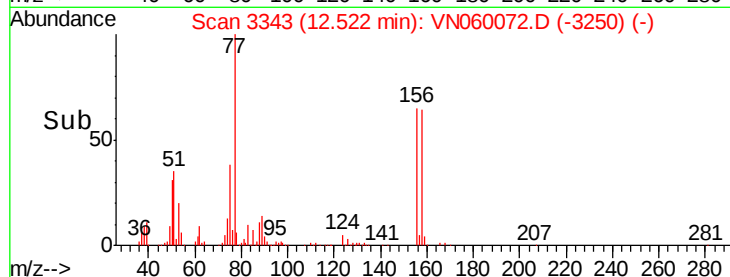
158 97.7 48.1 144.4



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: 52.447 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060072.D

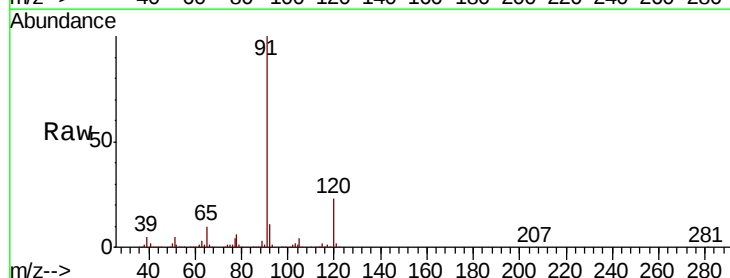
Acq: 12 Feb 2020 14:04

Tgt Ion: 91 Resp: 748937

Ion Ratio Lower Upper

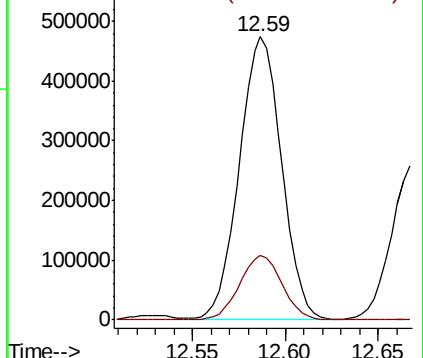
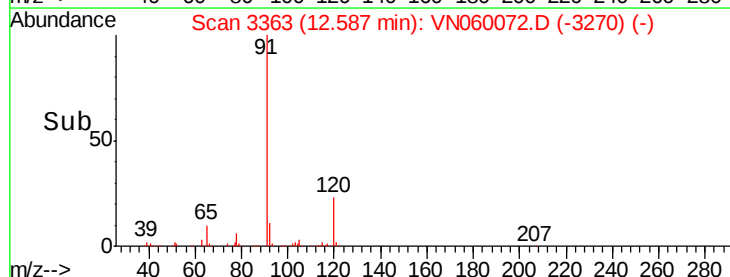
91 100

120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.915 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

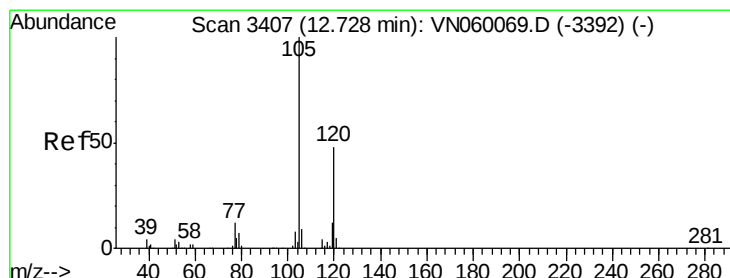
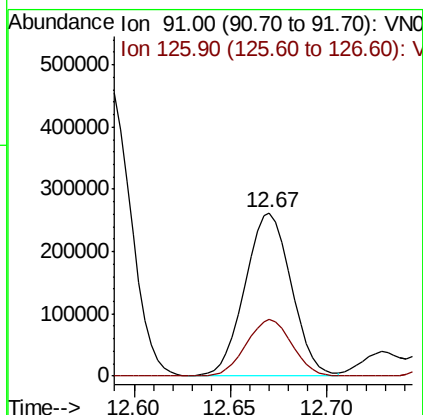
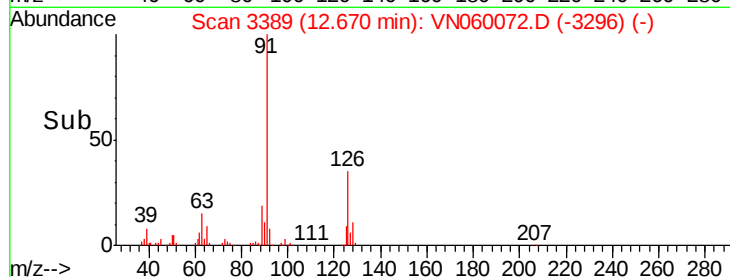
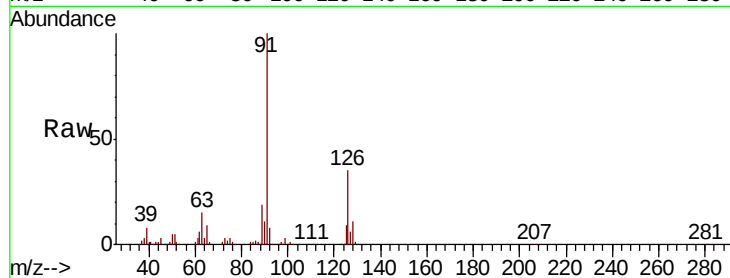
ClientSampled :

Tot Ion: 91 Resp: 435738

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 53.860 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060072.D

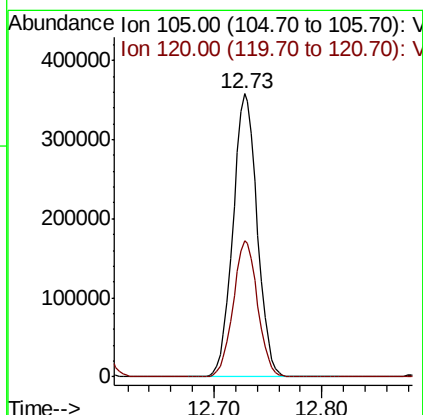
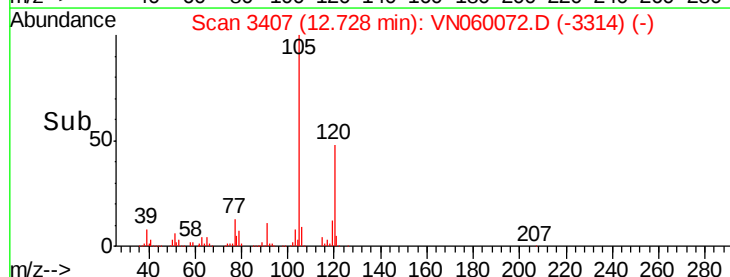
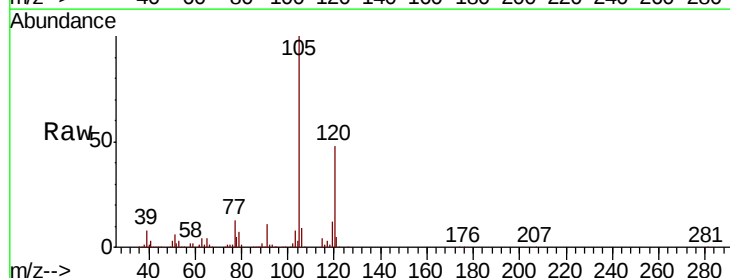
Acq: 12 Feb 2020 14:04

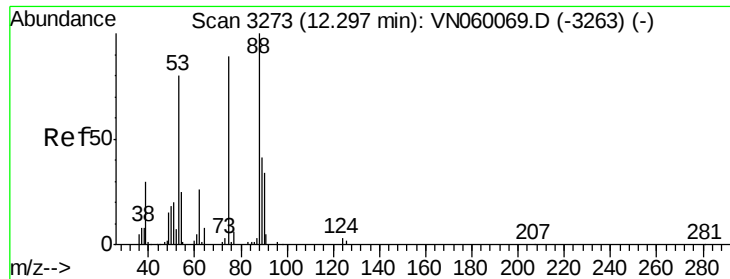
Tgt Ion: 105 Resp: 561276

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 55.474 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

ClientSampleId :

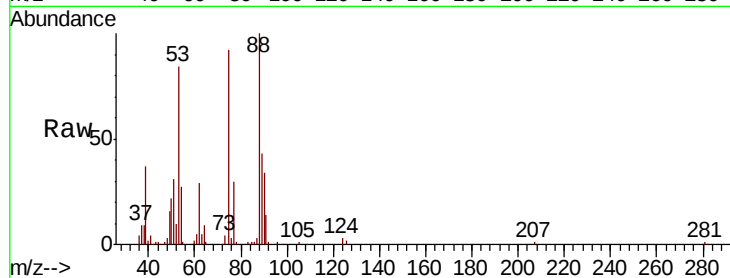
Tot Ion: 75 Resp: 72753

Ion Ratio Lower Upper

75 100

53 91.1 73.9 110.9

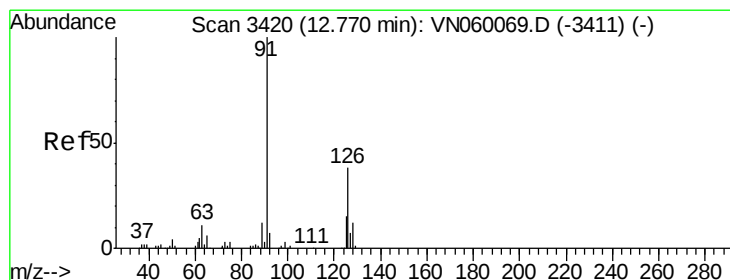
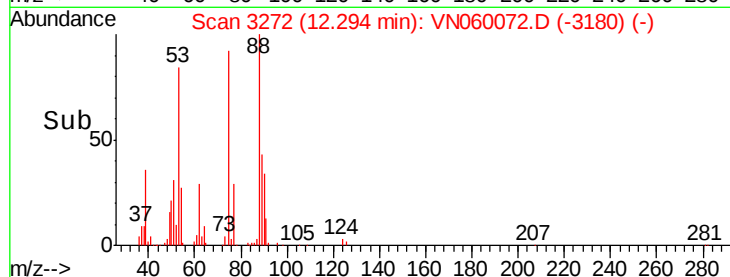
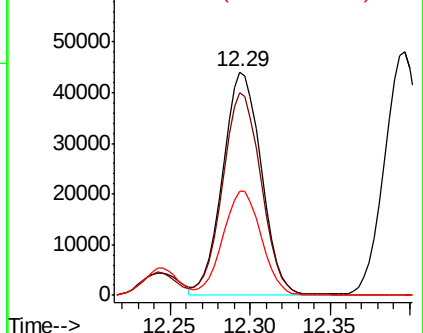
89 46.4 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060072.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060072.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060072.D (-3180) (-)



#82

4-Chlorotoluene

Concen: 52.818 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060072.D

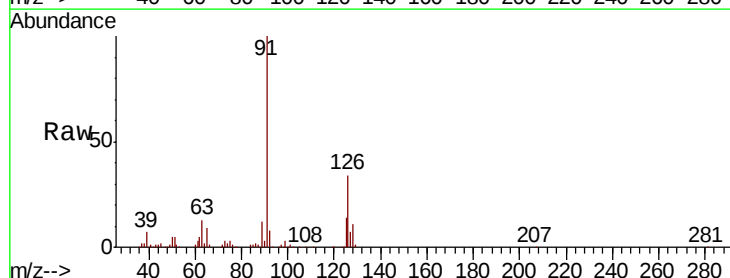
Acq: 12 Feb 2020 14:04

Tgt Ion: 91 Resp: 454823

Ion Ratio Lower Upper

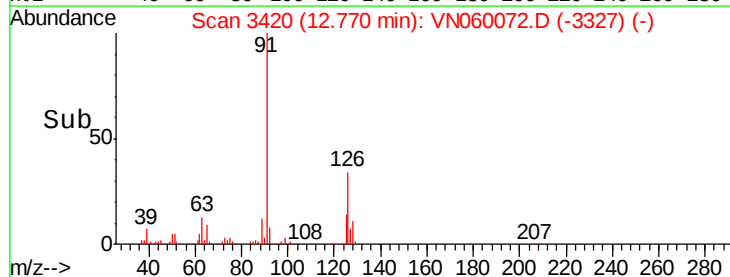
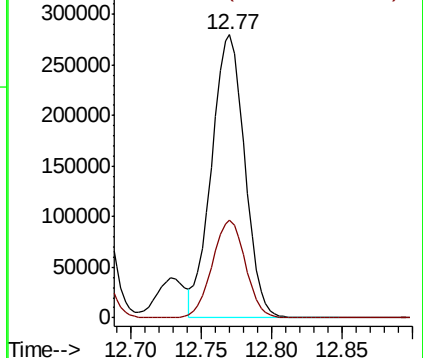
91 100

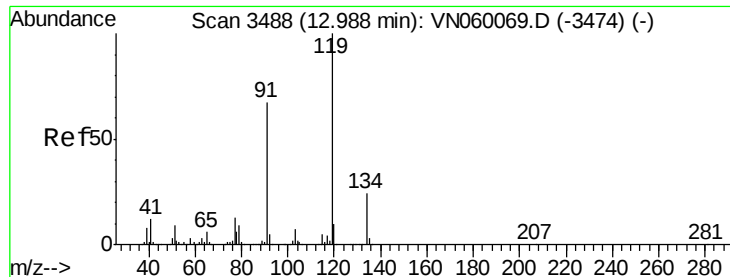
126 34.6 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060072.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060072.D (-3327) (-)

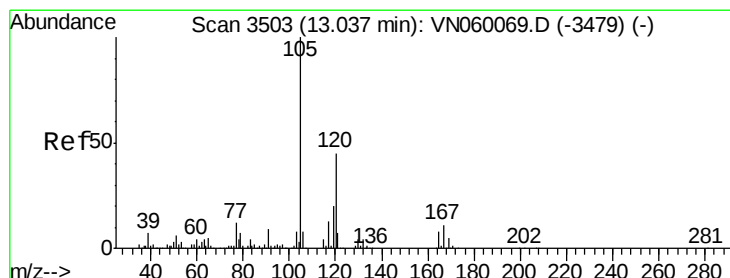
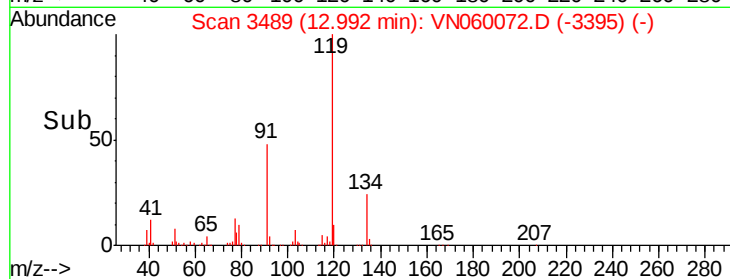
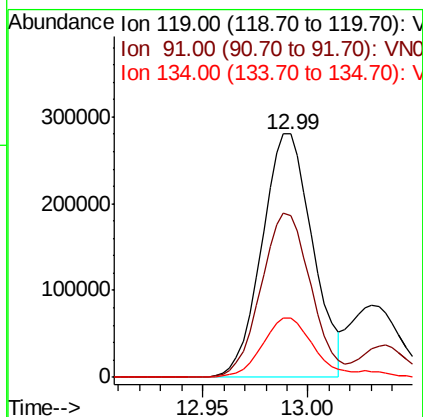
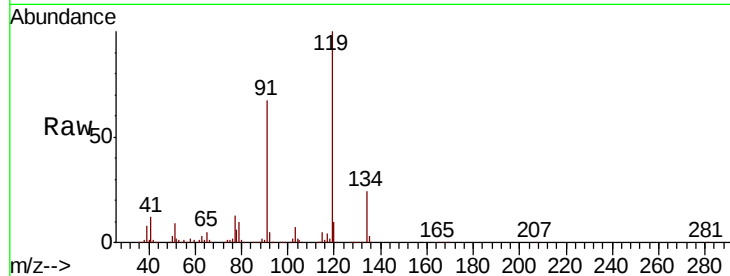




#83  
tert-Butylbenzene  
Concen: 50.848 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

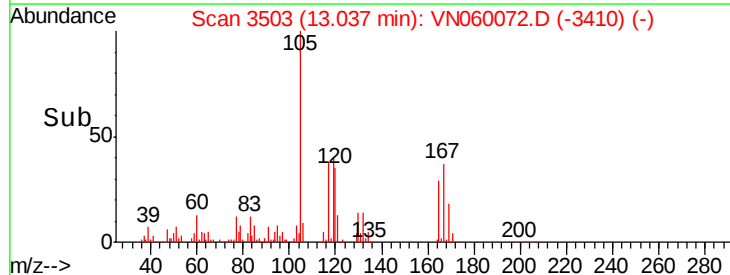
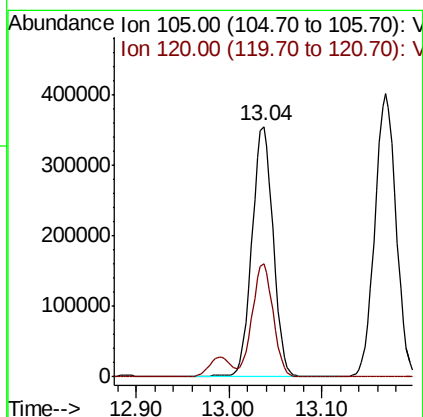
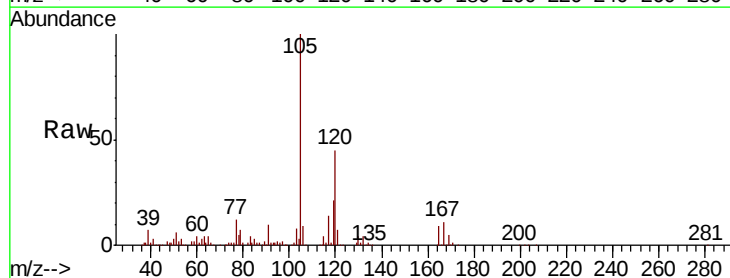
Instrument :  
MSVOA\_N  
ClientSampled :

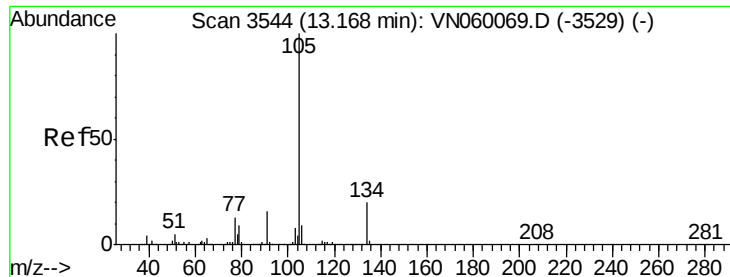
Tot Ion:119 Resp: 468749  
Ion Ratio Lower Upper  
119 100  
91 66.4 32.7 98.1  
134 26.2 12.9 38.7



#84  
1,2,4-Trimethylbenzene  
Concen: 54.820 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion:105 Resp: 563929  
Ion Ratio Lower Upper  
105 100  
120 44.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 52.288 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

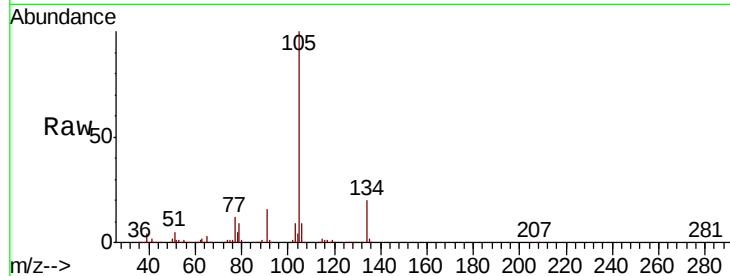
ClientSampled :

Tot Ion:105 Resp: 638374

Ion Ratio Lower Upper

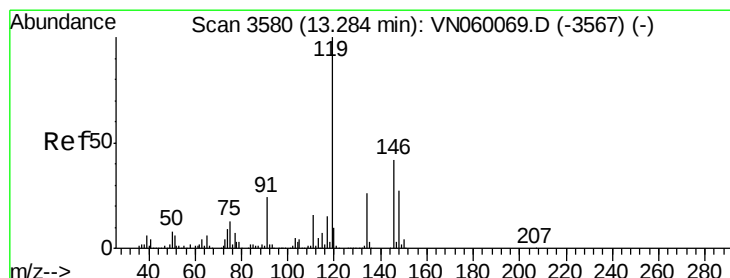
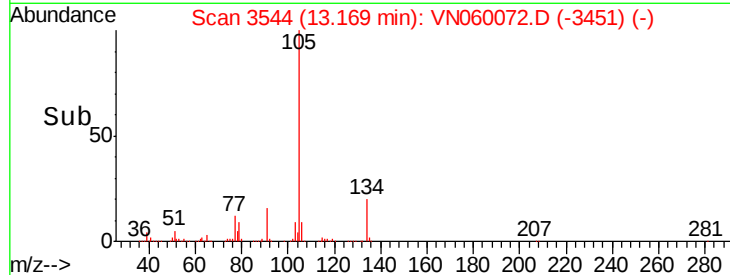
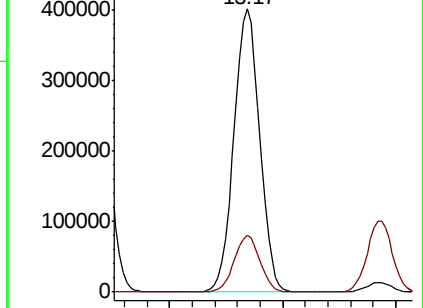
105 100

134 20.0 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.786 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

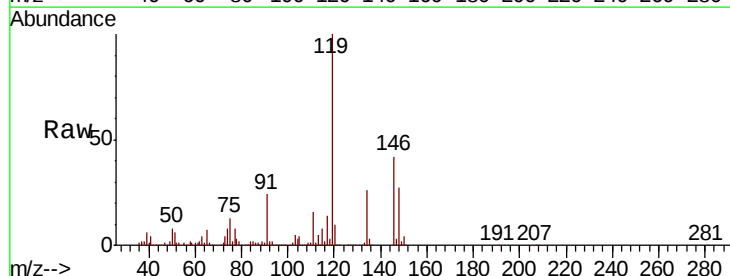
Tgt Ion:119 Resp: 594960

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

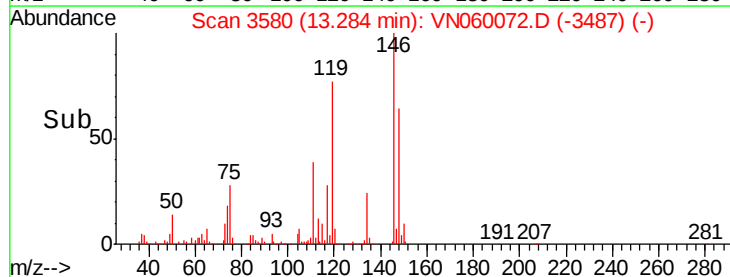
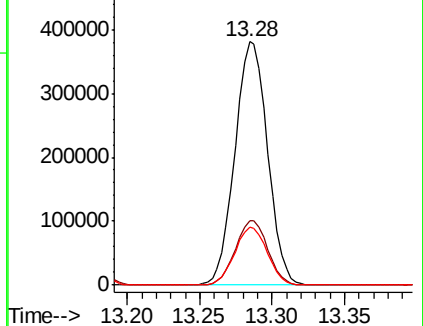
91 24.0 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.009 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

Instrument :

MSVOA\_N

ClientSampled :

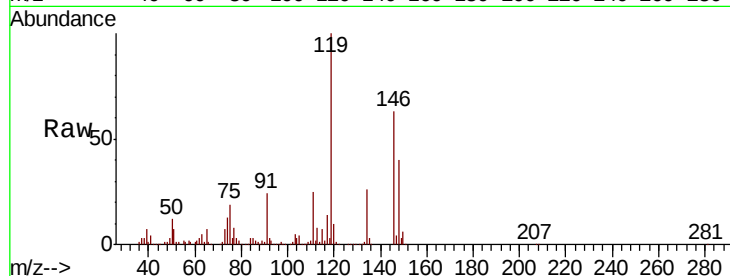
Tot Ion:146 Resp: 297366

Ion Ratio Lower Upper

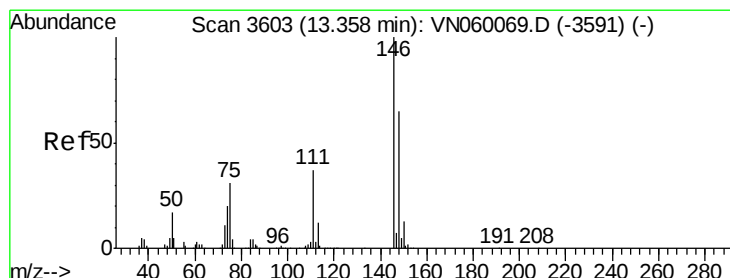
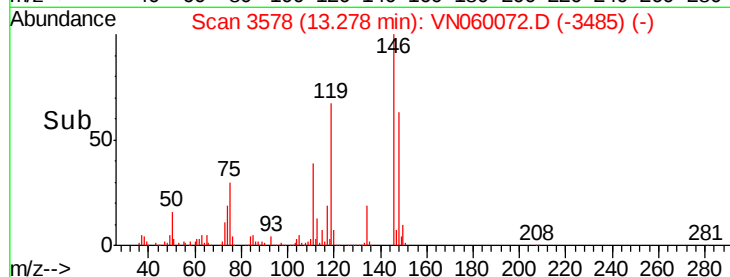
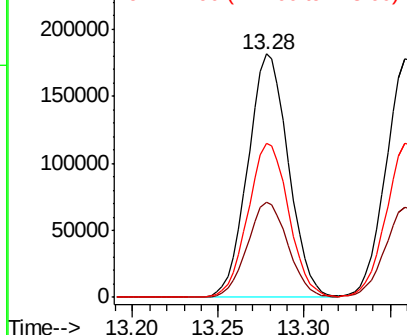
146 100

111 39.3 19.8 59.3

148 63.7 32.0 96.2



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: 53.227 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060072.D

Acq: 12 Feb 2020 14:04

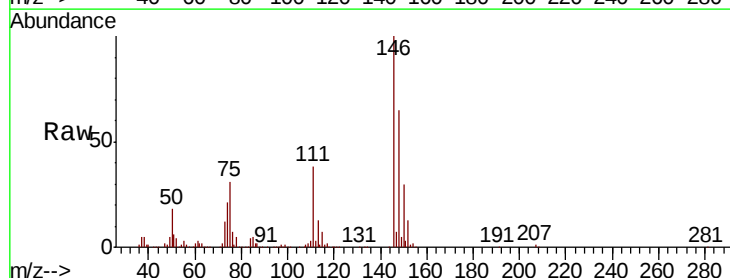
Tgt Ion:146 Resp: 293001

Ion Ratio Lower Upper

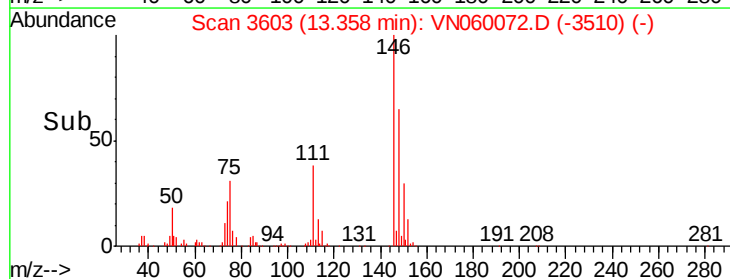
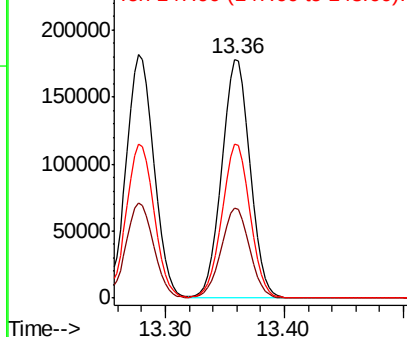
146 100

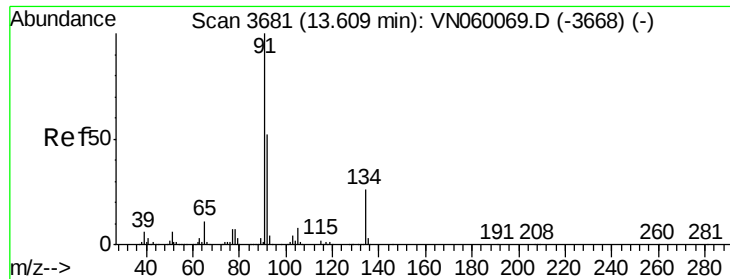
111 37.8 18.9 56.5

148 64.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V

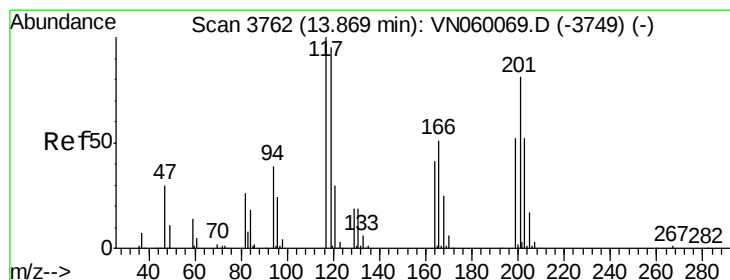
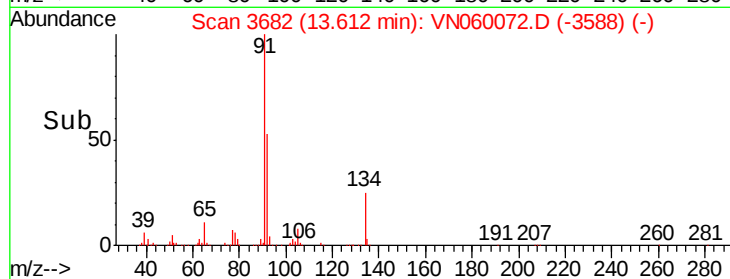
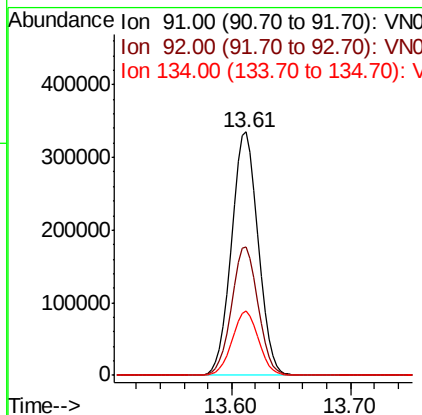
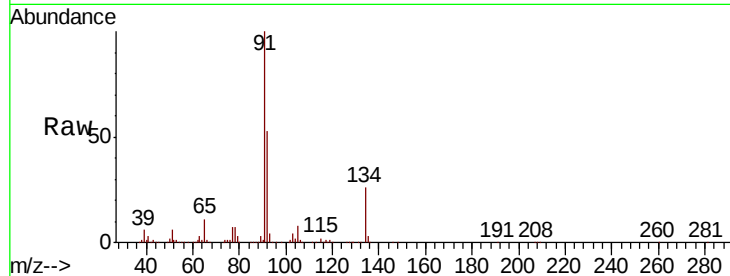




#89  
n-Butylbenzene  
Concen: 53.535 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

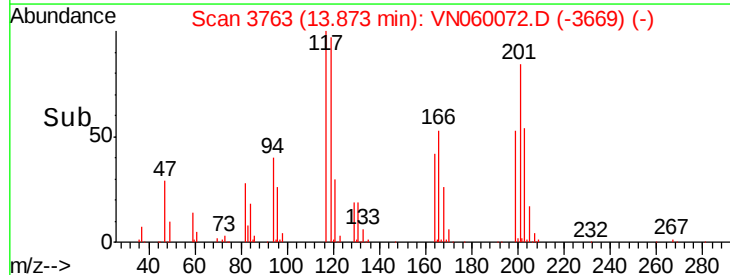
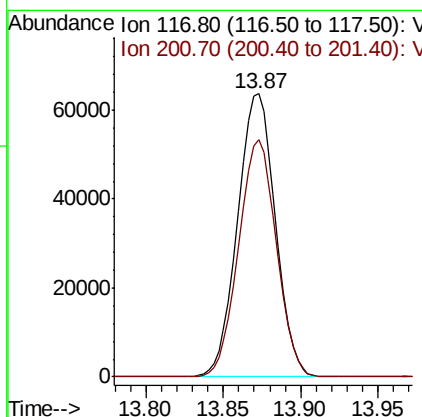
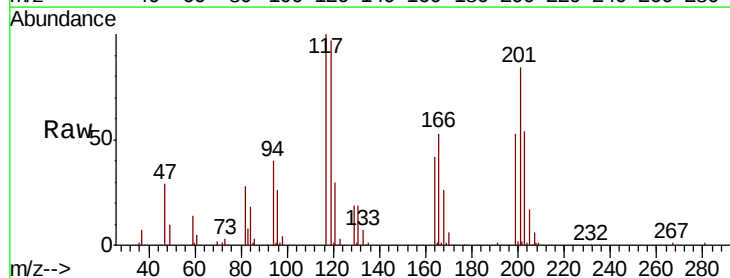
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 91 Resp: 520858  
Ion Ratio Lower Upper  
91 100  
92 52.4 26.1 78.2  
134 26.2 13.1 39.3



#90  
Hexachloroethane  
Concen: 52.360 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion: 117 Resp: 108203  
Ion Ratio Lower Upper  
117 100  
201 83.8 41.7 125.1

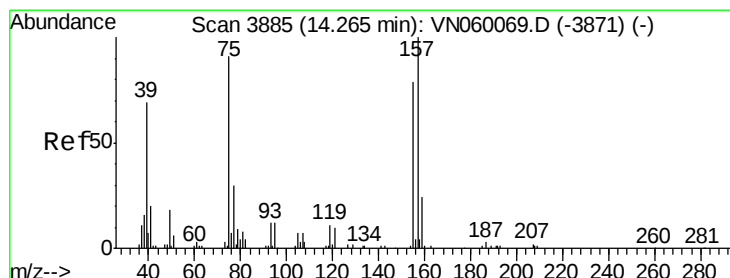
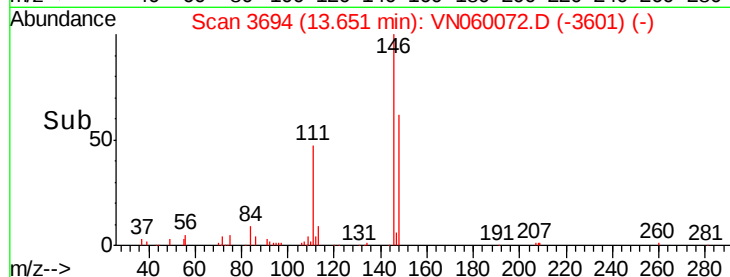
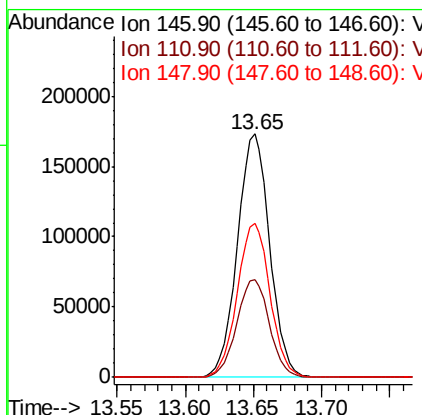
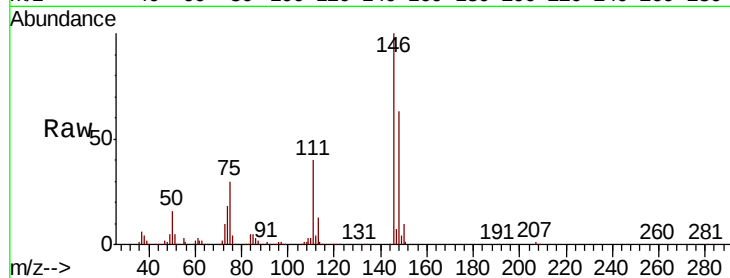




#91  
 1,2-Dichlorobenzene  
 Concen: 52.886 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

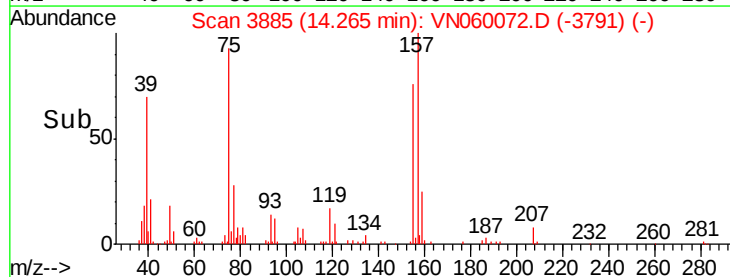
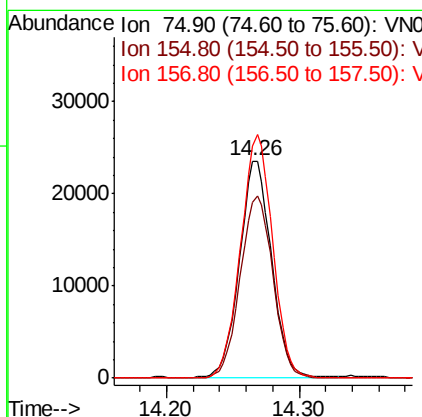
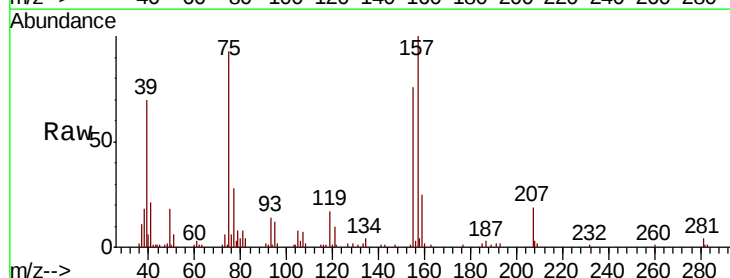
Instrument :  
 MSVOA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.1  | 60.2  |
| 148     | 64.0  | 31.9  | 95.5  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.065 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 84.8  | 43.0  | 129.0 |
| 157     | 111.1 | 54.9  | 164.5 |

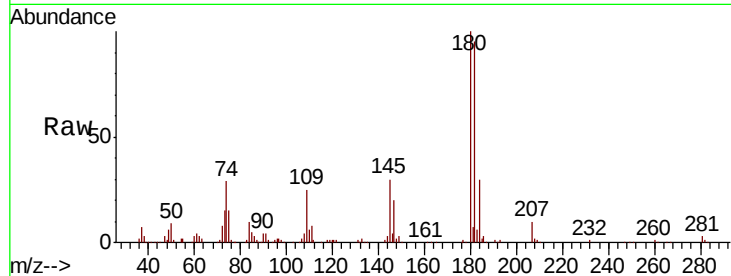




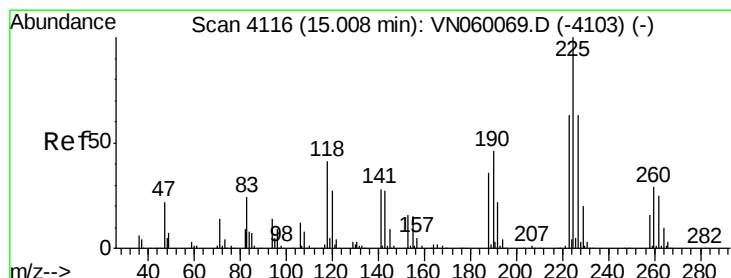
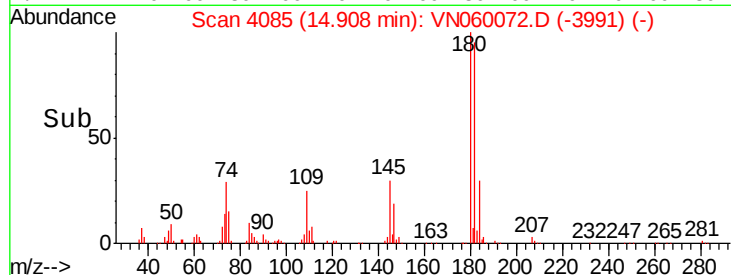
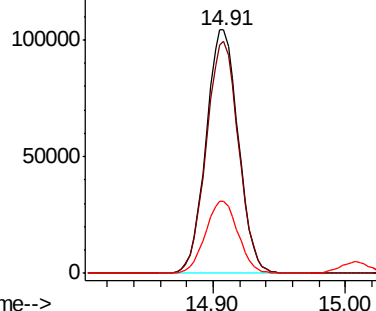
#93  
 1,2,4-Trichlorobenzene  
 Concen: 55.564 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

Instrument :  
 MSVOA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 47.9  | 143.8 |
| 145     | 30.0  | 15.2  | 45.5  |

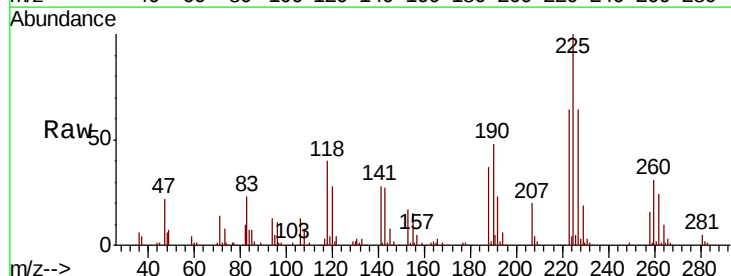


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

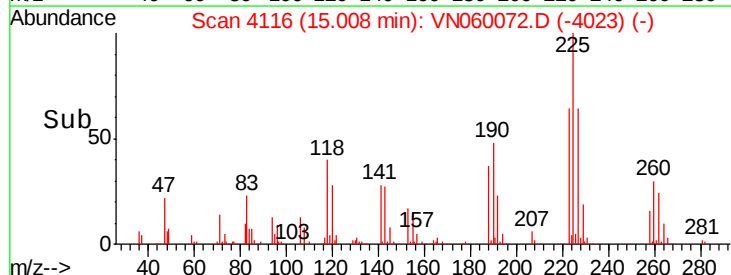
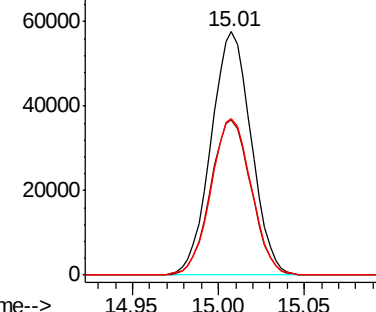


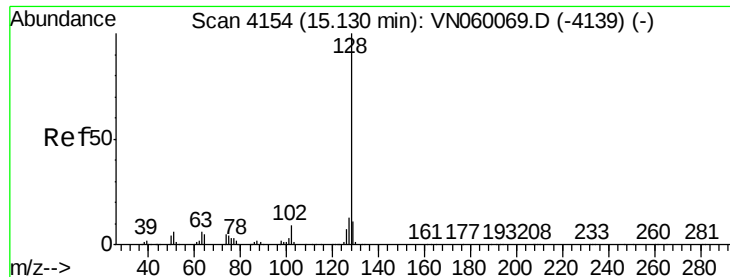
#94  
 Hexachlorobutadiene  
 Concen: 50.522 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060072.D  
 Acq: 12 Feb 2020 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.3  | 31.5  | 94.5  |
| 227     | 64.6  | 31.8  | 95.4  |



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

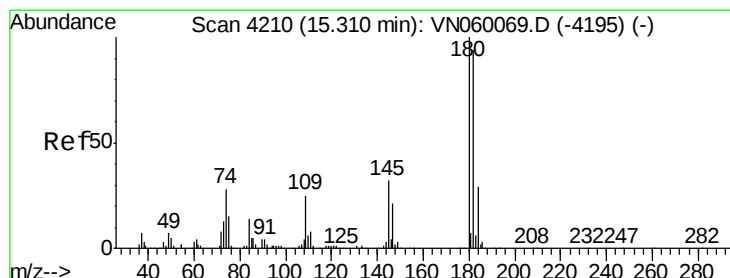
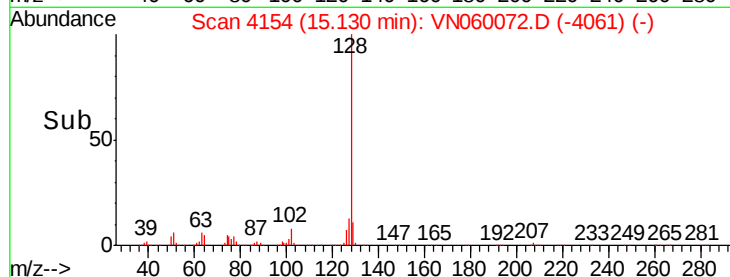
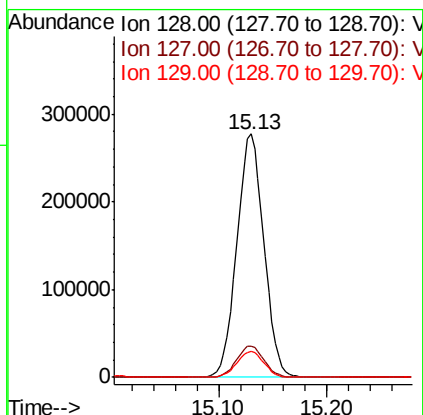
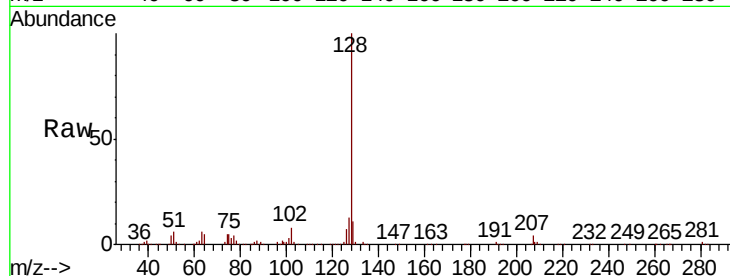




#95  
Naphthalene  
Concen: 56.371 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:128 Resp: 482096  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.3 15.5  
129 10.7 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 53.719 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN060072.D  
Acq: 12 Feb 2020 14:04

Tgt Ion:180 Resp: 169367  
Ion Ratio Lower Upper  
180 100  
182 96.6 47.5 142.5  
145 32.4 16.1 48.3

