

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\  
 Data File : VN061183.D  
 Acq On : 29 Apr 2020 11:18  
 Operator : JC/MD  
 Sample : VN0429WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0429WBS01

Quant Time: Apr 29 15:14:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 29 08:14:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 104020   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 177928   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 165982   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 78715    | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 7.98   | 65  | 79431    | 48.26 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.52% |      |
| 35) Dibromofluoromethane    | 7.54   | 113 | 52404    | 49.81 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.62% |      |
| 50) Toluene-d8              | 10.06  | 98  | 210792   | 49.15 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.30% |      |
| 62) 4-Bromofluorobenzene    | 12.37  | 95  | 77947    | 48.29 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.58% |      |

| Target Compounds              |      |     |        |        | Qvalue    |
|-------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 21879  | 19.835 | ug/l 97   |
| 3) Chloromethane              | 2.03 | 50  | 25041  | 18.744 | ug/l 98   |
| 4) Vinyl Chloride             | 2.16 | 62  | 28368  | 18.696 | ug/l 99   |
| 5) Bromomethane               | 2.54 | 94  | 14005  | 18.672 | ug/l 94   |
| 6) Chloroethane               | 2.67 | 64  | 18036  | 18.753 | ug/l 98   |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 35552  | 20.767 | ug/l 100  |
| 8) Diethyl Ether              | 3.37 | 74  | 13667  | 19.140 | ug/l 100  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 21244  | 19.263 | ug/l 99   |
| 10) Methyl Iodide             | 3.90 | 142 | 26570  | 18.746 | ug/l 98   |
| 11) Tert butyl alcohol        | 4.73 | 59  | 18895  | 85.698 | ug/l # 86 |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 20498  | 18.677 | ug/l 99   |
| 13) Acrolein                  | 3.56 | 56  | 10464  | 71.217 | ug/l 93   |
| 14) Allyl chloride            | 4.27 | 41  | 41676  | 20.480 | ug/l 97   |
| 15) Acrylonitrile             | 4.92 | 53  | 58737  | 86.783 | ug/l 100  |
| 16) Acetone                   | 3.77 | 43  | 53155  | 79.742 | ug/l 100  |
| 17) Carbon Disulfide          | 4.01 | 76  | 57273  | 18.892 | ug/l 100  |
| 18) Methyl Acetate            | 4.27 | 43  | 33684  | 16.671 | ug/l 98   |
| 19) Methyl tert-butyl Ether   | 4.98 | 73  | 75766  | 18.067 | ug/l 98   |
| 20) Methylene Chloride        | 4.50 | 84  | 23672  | 18.444 | ug/l 99   |
| 21) trans-1,2-Dichloroethene  | 4.98 | 96  | 22683  | 18.980 | ug/l 96   |
| 22) Diisopropyl ether         | 5.90 | 45  | 86184  | 18.264 | ug/l 98   |
| 23) Vinyl Acetate             | 5.84 | 43  | 343189 | 90.323 | ug/l 99   |
| 24) 1,1-Dichloroethane        | 5.79 | 63  | 46294  | 18.776 | ug/l 98   |
| 25) 2-Butanone                | 6.78 | 43  | 81955  | 84.148 | ug/l 99   |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 42018  | 20.233 | ug/l 100  |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 26203  | 18.684 | ug/l 99   |
| 28) Bromochloromethane        | 7.15 | 49  | 22745  | 19.463 | ug/l 100  |
| 29) Tetrahydrofuran           | 7.16 | 42  | 55571  | 84.703 | ug/l 99   |
| 30) Chloroform                | 7.32 | 83  | 45702  | 18.291 | ug/l 99   |
| 31) Cyclohexane               | 7.61 | 56  | 42948  | 17.937 | ug/l 96   |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 40832  | 18.767 | ug/l 99   |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 33529  | 18.824 | ug/l 98   |
| 37) Ethyl Acetate             | 6.88 | 43  | 36228  | 17.350 | ug/l 99   |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 28270  | 18.887 | ug/l 99   |

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 Sample : VN0429WBS01  
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 Quant Title : SW846 8260  
 QLast Update : Wed Apr 29 08:14:26 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.04  | 83   | 37593    | 18.820  | ug/l   | 98       |
| 40) Benzene                    | 8.00  | 78   | 99669    | 18.783  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.16  | 41   | 52824    | 60.929  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 39971    | 19.883  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.12  | 43   | 61631    | 17.785  | ug/l   | 100      |
| 44) Trichloroethene            | 8.80  | 130  | 26525    | 18.491  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 26894    | 18.971  | ug/l   | 99       |
| 46) Dibromomethane             | 9.17  | 93   | 16970    | 19.333  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.37  | 83   | 35875    | 19.041  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.16  | 41   | 27062    | 17.306  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 6803     | 383.250 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 179623   | 88.059  | ug/l   | 100      |
| 52) Toluene                    | 10.12 | 92   | 60847    | 19.037  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 40182    | 18.928  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 42225    | 18.814  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 23899    | 18.746  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 34990    | 17.618  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 42248    | 18.853  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 92303    | 89.445  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.72 | 43   | 129789   | 87.459  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.87 | 129  | 24795    | 18.570  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 23642    | 18.502  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.60 | 164  | 27111    | 18.859  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.40 | 112  | 61749    | 18.754  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 22664    | 19.232  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.48 | 91   | 117875   | 19.124  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.59 | 106  | 86184    | 38.201  | ug/l   | 100      |
| 69) o-Xylene                   | 11.92 | 106  | 39928    | 18.425  | ug/l   | 96       |
| 70) Styrene                    | 11.94 | 104  | 66214    | 18.256  | ug/l   | 98       |
| 71) Bromoform                  | 12.10 | 173  | 16048    | 18.529  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.22 | 105  | 110033   | 19.015  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.04 | 43   | 51207    | 17.475  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 34339    | 19.031  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 45958    | 27.693  | ug/l # | 100      |
| 77) Bromobenzene               | 12.50 | 156  | 25754    | 19.279  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.56 | 91   | 132850   | 19.355  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 78265    | 19.400  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 93418    | 19.505  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 11775    | 18.019  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 81235    | 19.105  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 76481    | 18.938  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 94480    | 19.147  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.15 | 105  | 107079   | 19.448  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 95468    | 19.244  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 46083    | 18.739  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 46385    | 18.461  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.59 | 91   | 87334    | 19.204  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 8744     | 21.947  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 44261    | 18.771  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 6844     | 17.959  | ug/l   | 96       |

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Operator : JC/MD  
Sample : VN0429WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

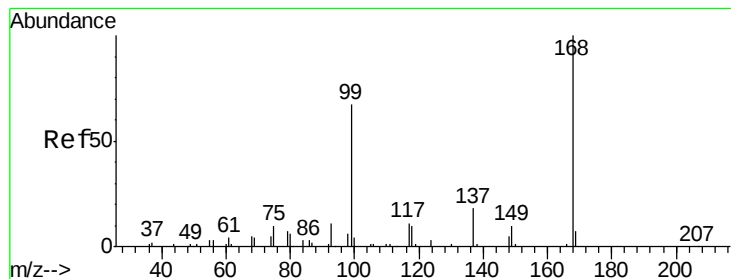
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

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Quant Title : SW846 8260  
QLast Update : Wed Apr 29 08:14:26 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 26909    | 18.741 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 12168    | 20.285 | ug/l  | 99       |
| 95) Naphthalene            | 15.10 | 128  | 79933    | 17.094 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 25935    | 18.295 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

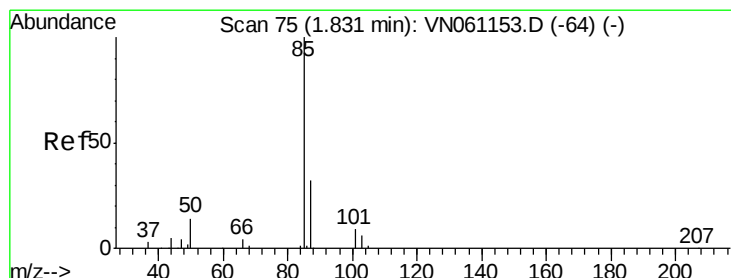
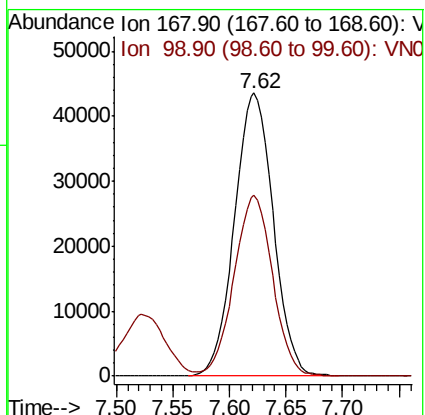
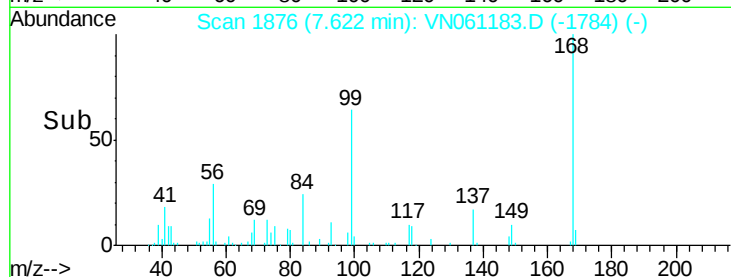
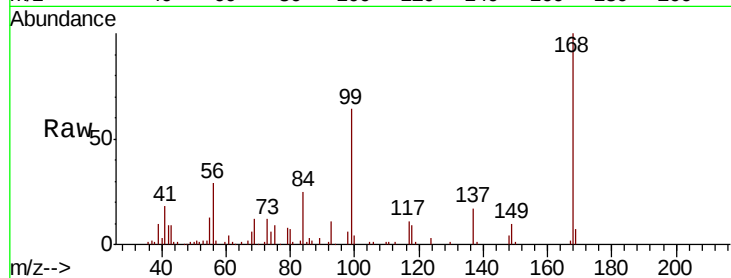
VN0429WBS01

Tot Ion:168 Resp: 104020

Ion Ratio Lower Upper

168 100

99 63.8 51.2 76.8



#2

Dichlorodifluoromethane

Concen: 19.835 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061183.D

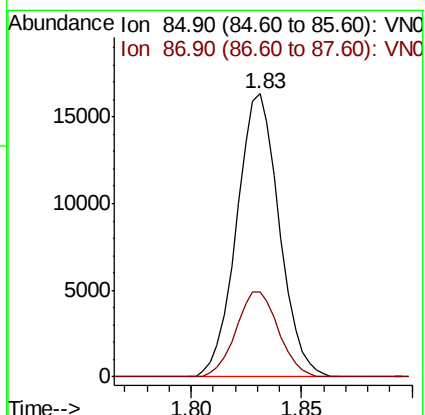
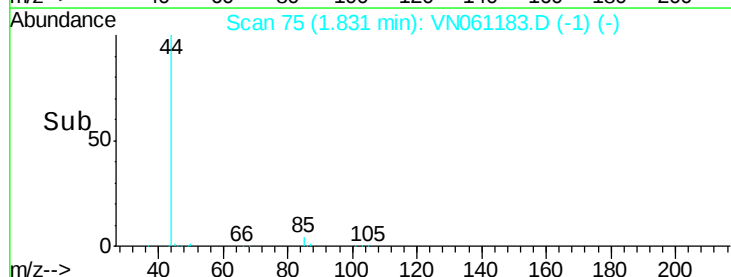
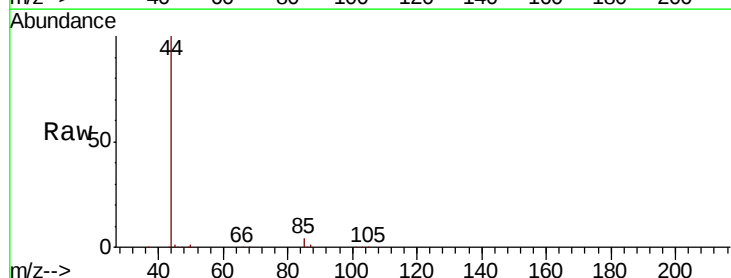
Acq: 29 Apr 2020 11:18

Tgt Ion: 85 Resp: 21879

Ion Ratio Lower Upper

85 100

87 30.2 16.1 48.2

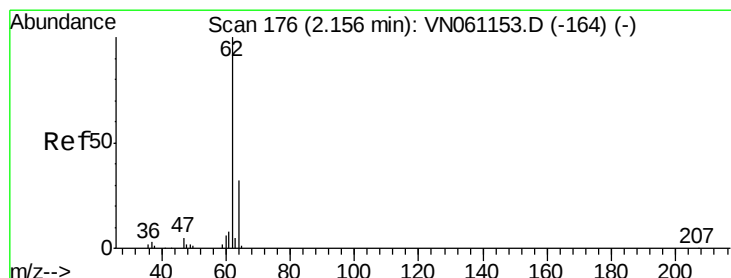
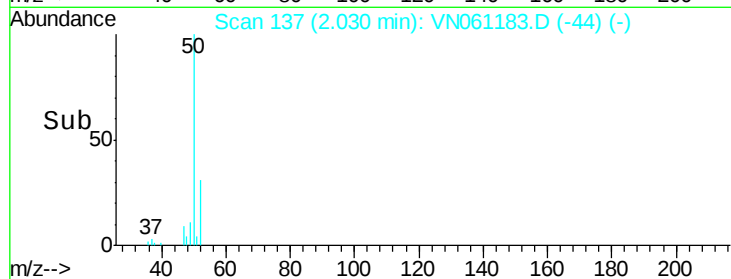
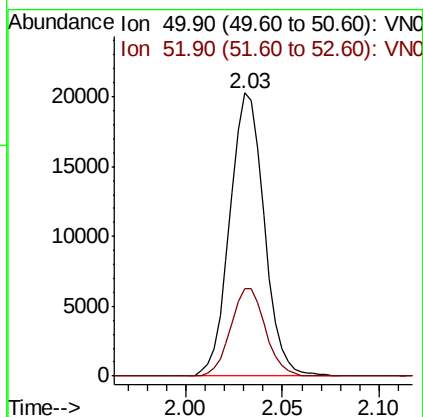
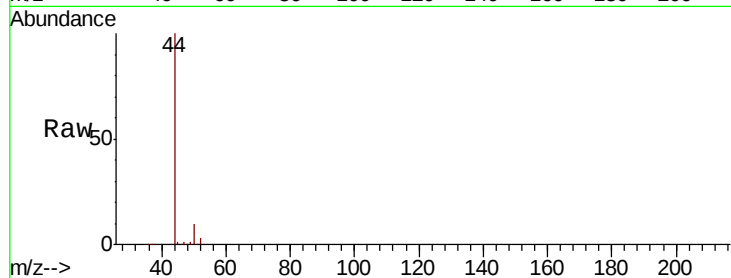




#3  
Chloromethane  
Concen: 18.744 ug/l  
RT: 2.03 min Scan# 137  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

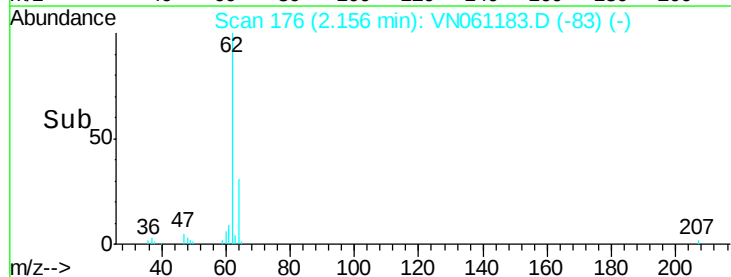
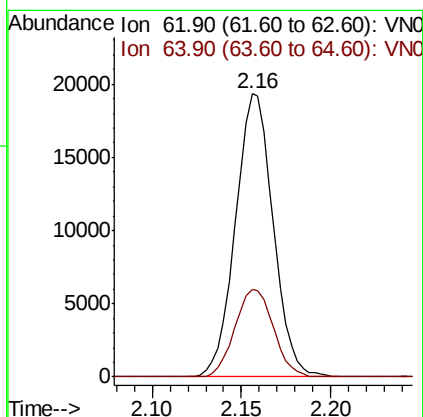
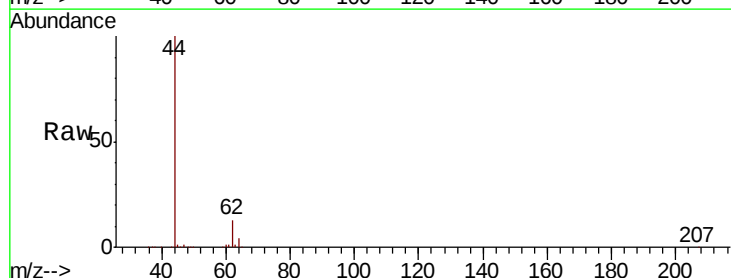
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

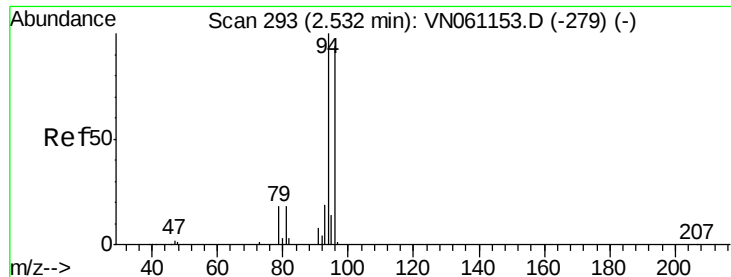
Tot Ion: 50 Resp: 25041  
Ion Ratio Lower Upper  
50 100  
52 31.1 26.0 39.0



#4  
Vinyl Chloride  
Concen: 18.696 ug/l  
RT: 2.16 min Scan# 176  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 62 Resp: 28368  
Ion Ratio Lower Upper  
62 100  
64 30.9 25.2 37.8





#5

Bromomethane

Concen: 18.672 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

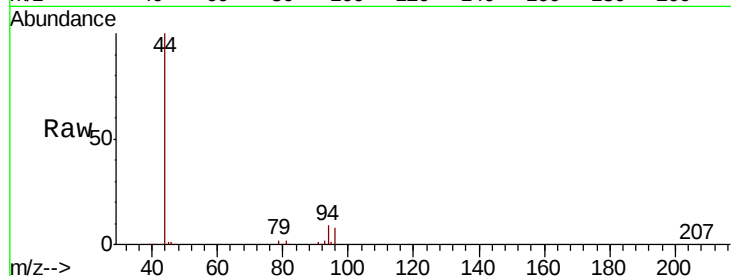
VN0429WBS01

Tot Ion: 94 Resp: 14005

Ion Ratio Lower Upper

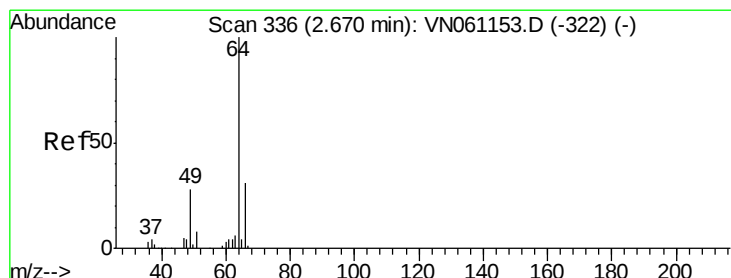
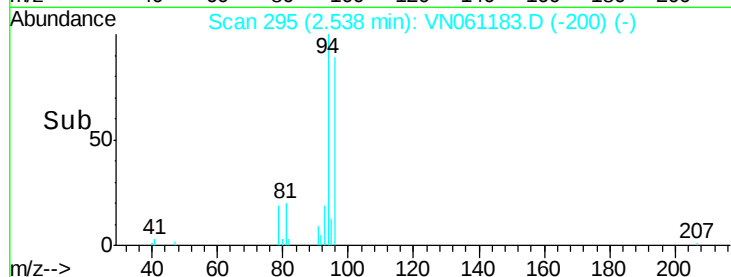
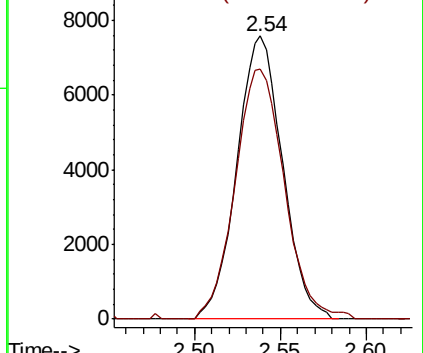
94 100

96 88.5 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.753 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061183.D

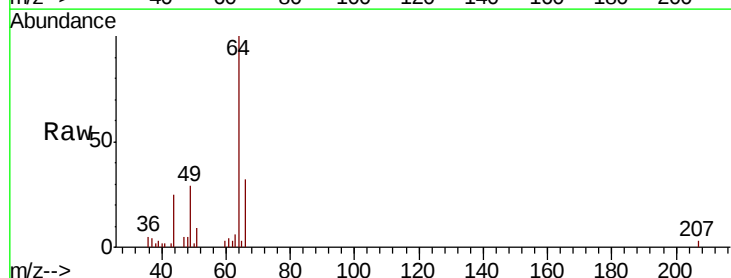
Acq: 29 Apr 2020 11:18

Tgt Ion: 64 Resp: 18036

Ion Ratio Lower Upper

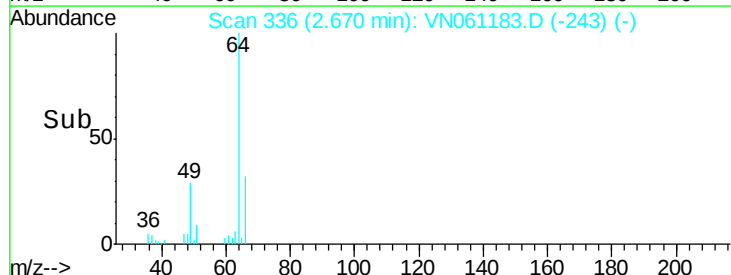
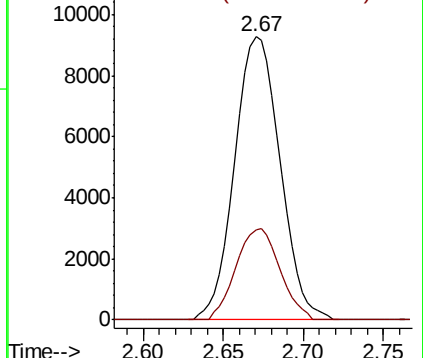
64 100

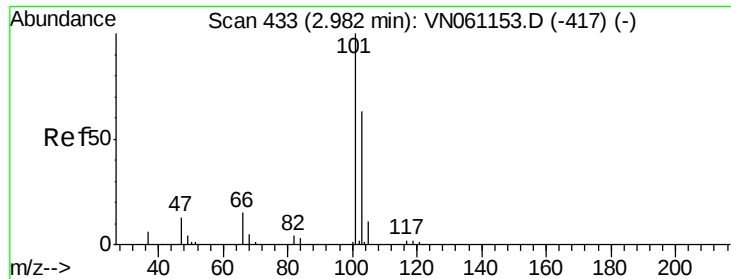
66 31.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



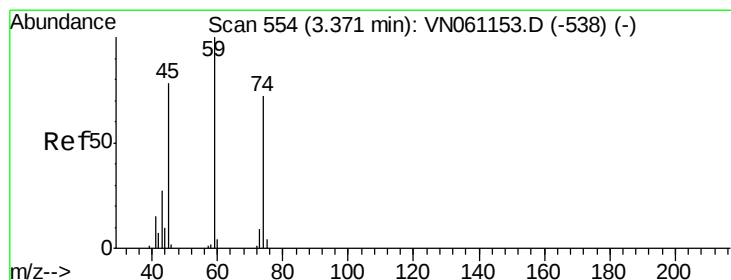
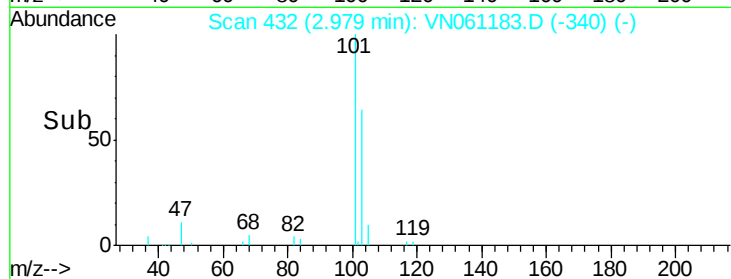
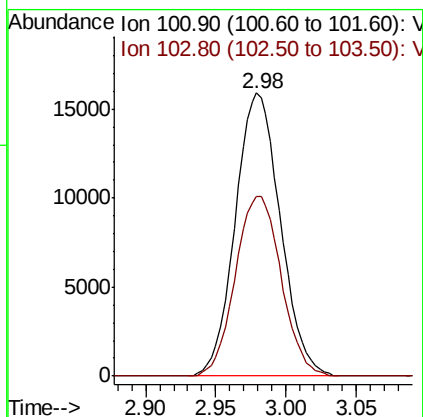
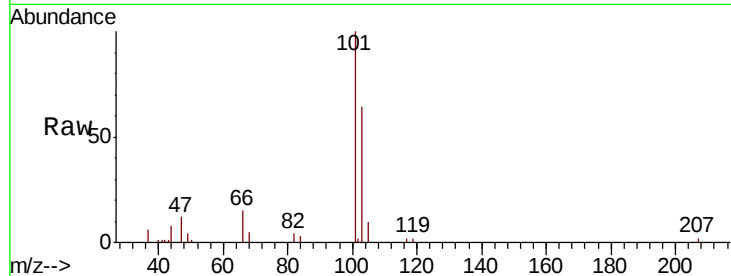


#7

Trichlorofluoromethane  
 Concen: 20.767 ug/l  
 RT: 2.98 min Scan# 432  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Instrument :  
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 ClientSampleId :  
 VN0429WBS01

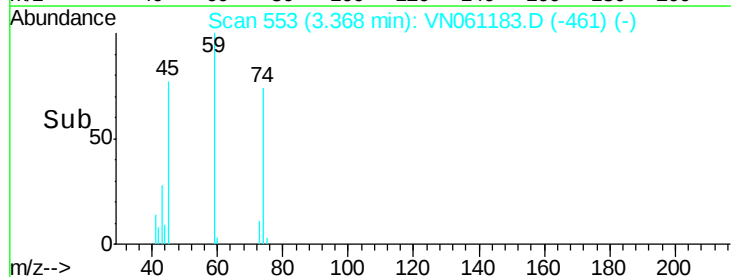
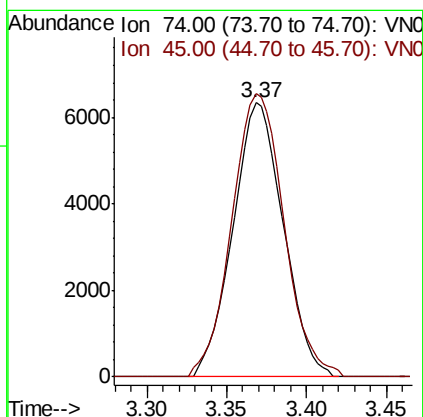
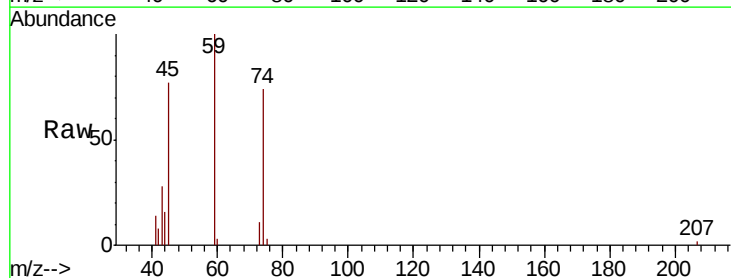
Tot Ion:101 Resp: 35552  
 Ion Ratio Lower Upper  
 101 100  
 103 63.7 50.6 76.0



#8

Diethyl Ether  
 Concen: 19.140 ug/l  
 RT: 3.37 min Scan# 553  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion: 74 Resp: 13667  
 Ion Ratio Lower Upper  
 74 100  
 45 106.8 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.263 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

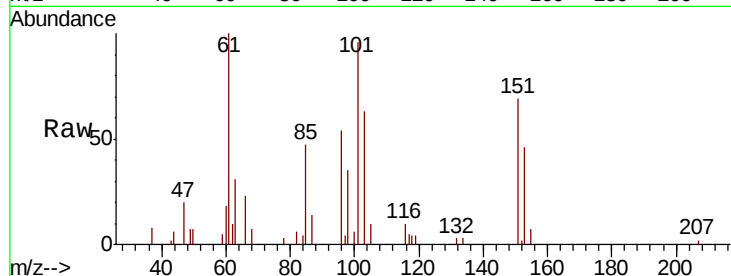
Tot Ion:101 Resp: 21244

Ion Ratio Lower Upper

101 100

85 47.0 37.2 55.8

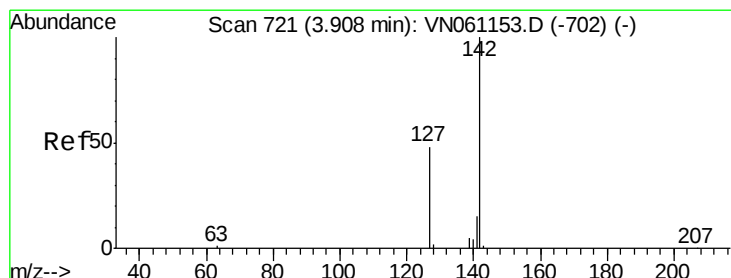
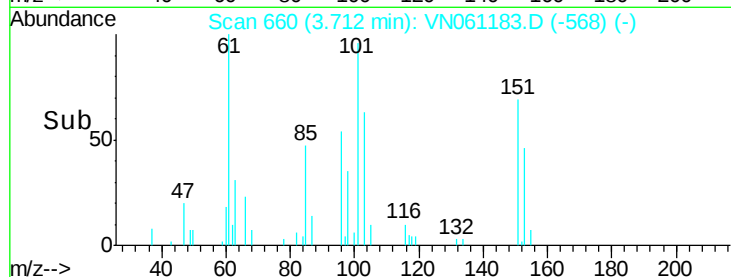
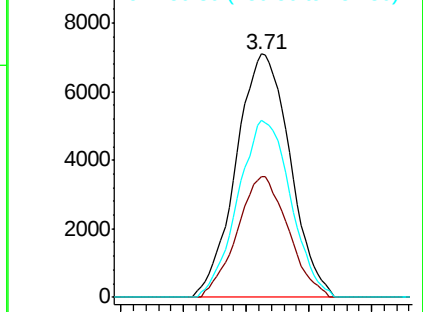
151 71.2 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.746 ug/l

RT: 3.90 min Scan# 720

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

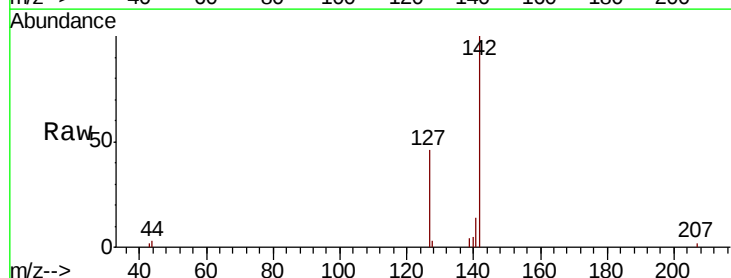
Tgt Ion:142 Resp: 26570

Ion Ratio Lower Upper

142 100

127 48.9 38.0 57.0

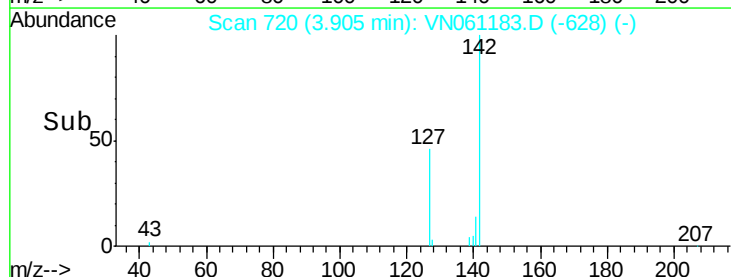
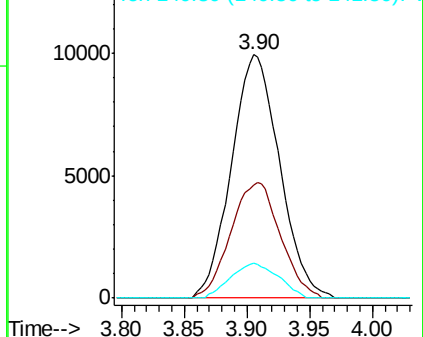
141 14.2 11.7 17.5

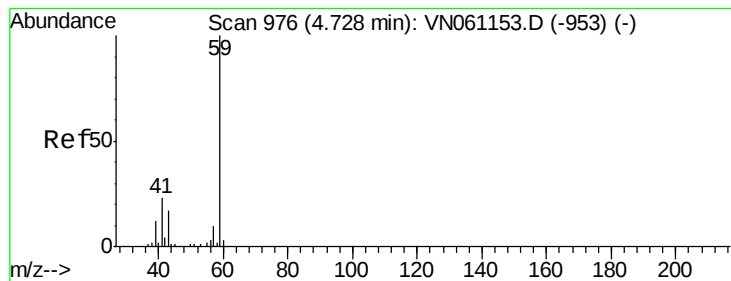


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



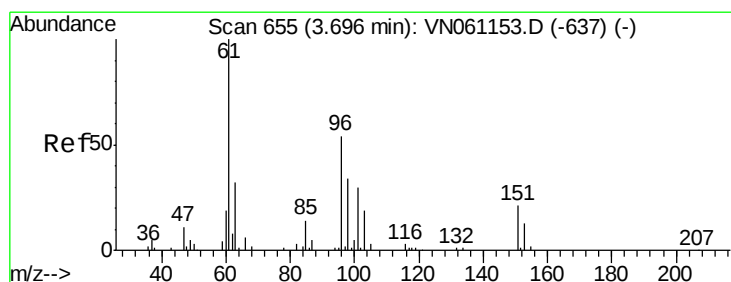
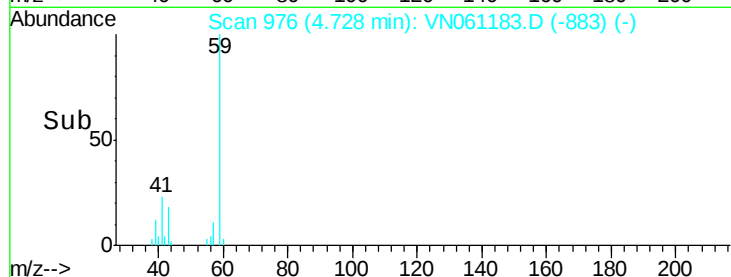
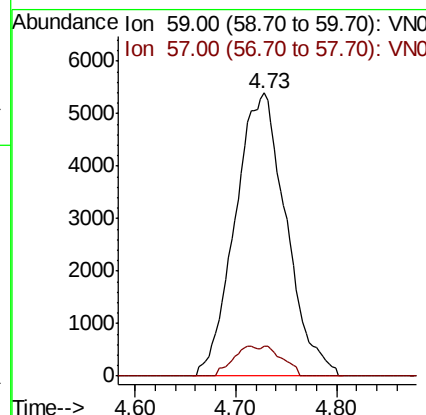
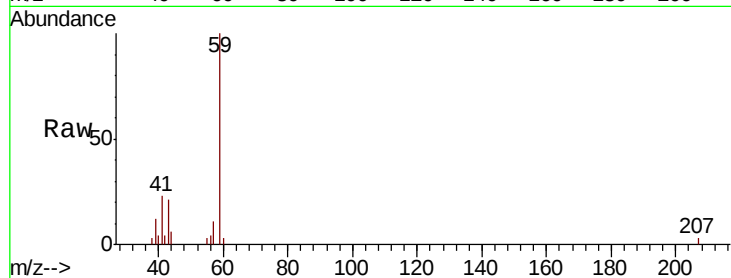


#11

Tert butyl alcohol  
 Concen: 85.698 ug/l  
 RT: 4.73 min Scan# 976  
 Delta R.T. 0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0429WBS01

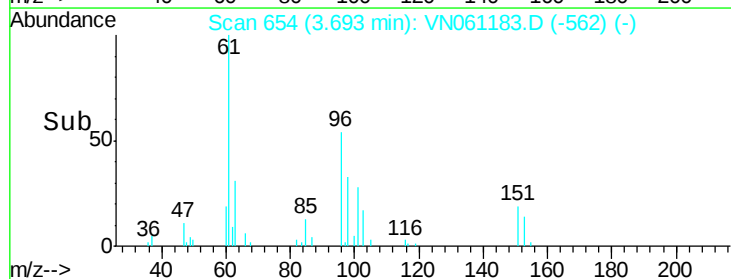
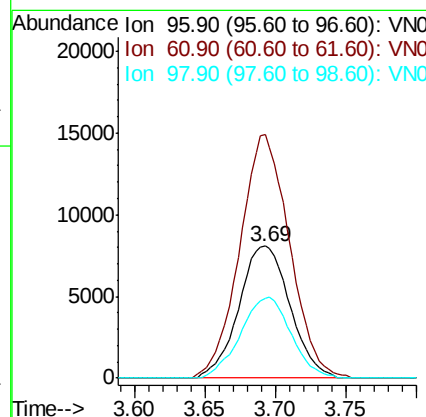
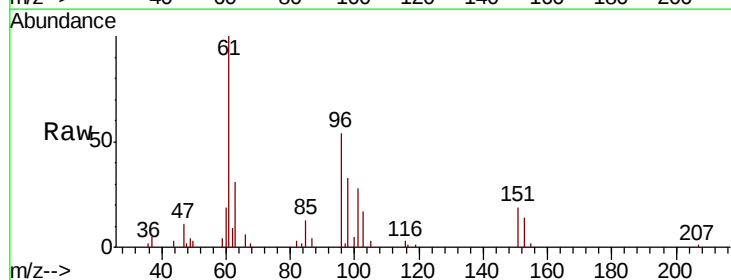
Tot Ion: 59 Resp: 18895  
 Ion Ratio Lower Upper  
 59 100  
 57 5.2 8.3 12.5#

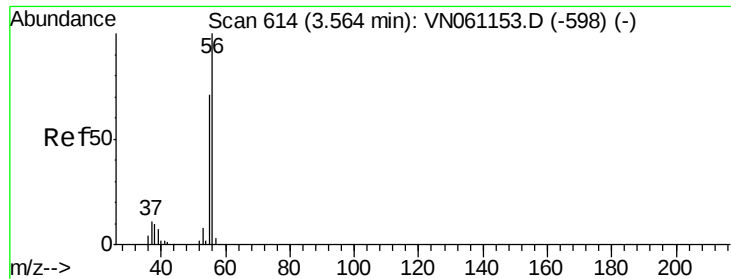


#12

1,1-Dichloroethene  
 Concen: 18.677 ug/l  
 RT: 3.69 min Scan# 654  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion: 96 Resp: 20498  
 Ion Ratio Lower Upper  
 96 100  
 61 184.2 147.0 220.6  
 98 60.6 49.8 74.6





#13

Acrolein

Concen: 71.217 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

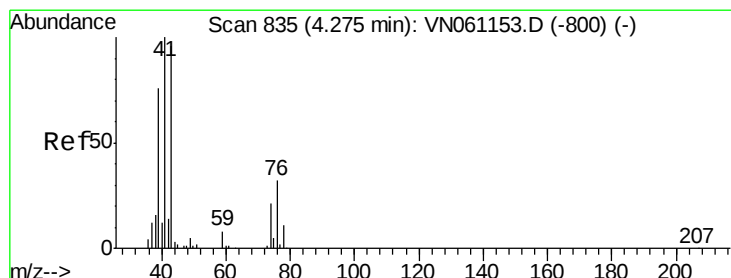
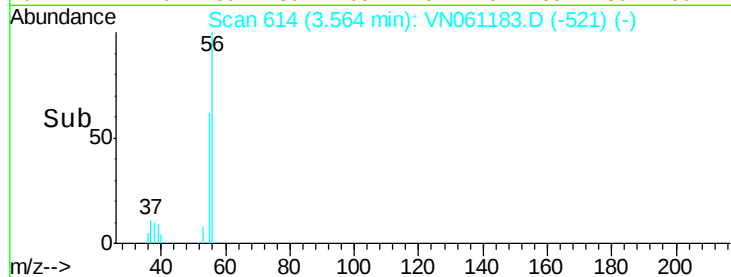
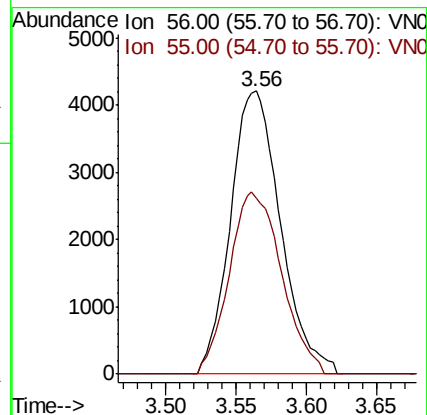
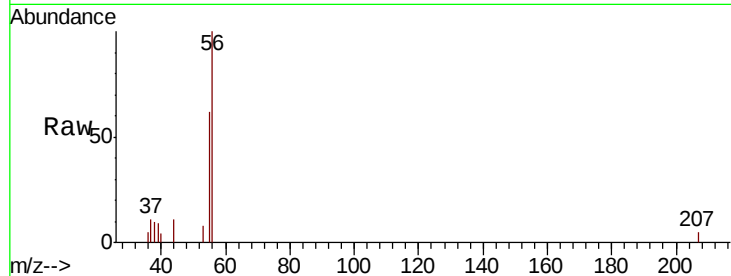
VN0429WBS01

Tot Ion: 56 Resp: 10464

Ion Ratio Lower Upper

56 100

55 67.1 58.5 87.7



#14

Allyl chloride

Concen: 20.480 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

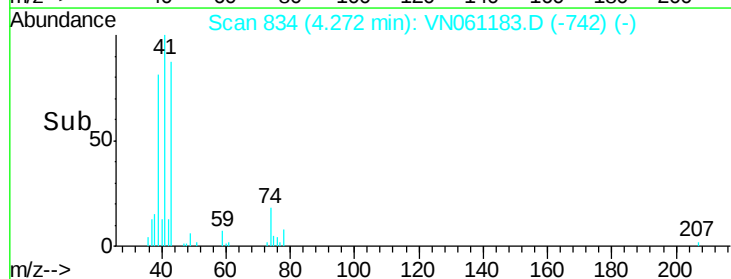
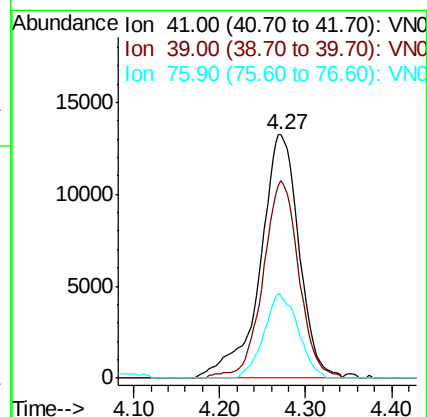
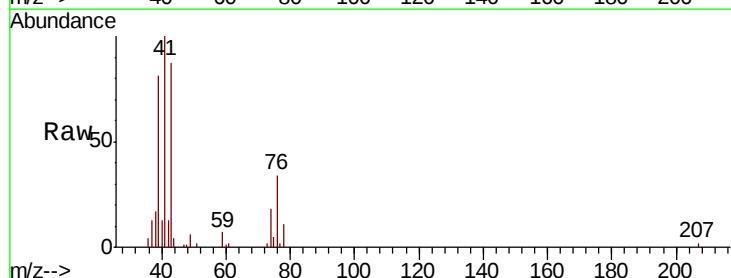
Tgt Ion: 41 Resp: 41676

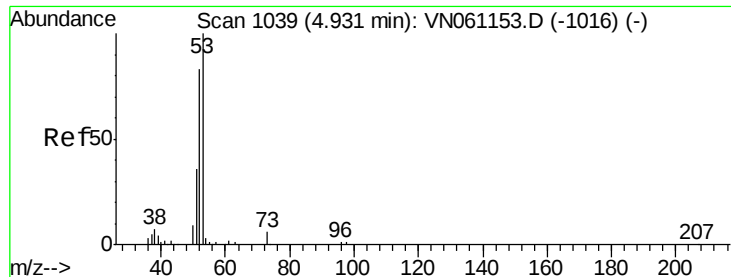
Ion Ratio Lower Upper

41 100

39 74.4 57.1 85.7

76 30.6 24.3 36.5





#15

Acrylonitrile

Concen: 86.783 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

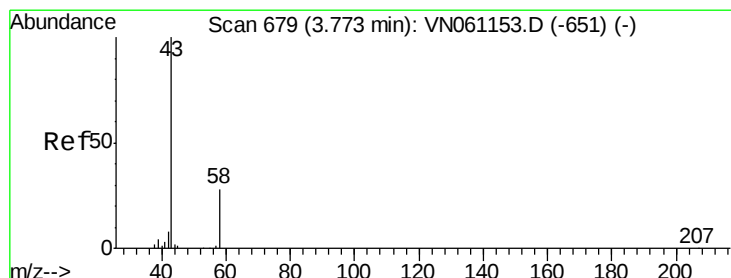
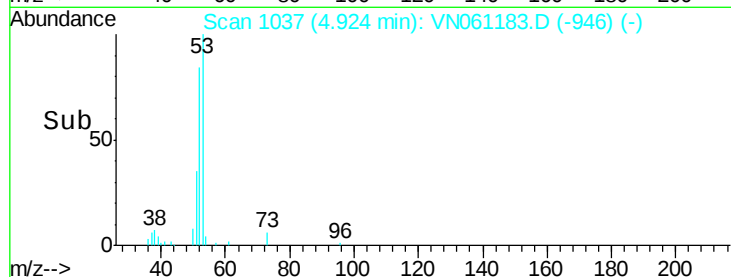
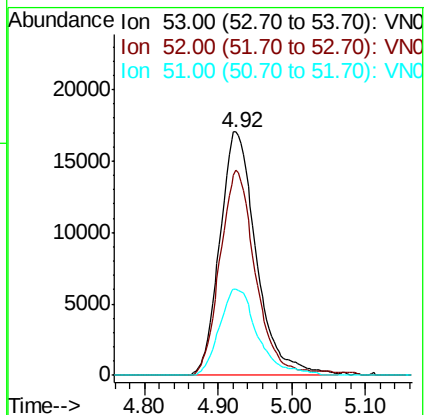
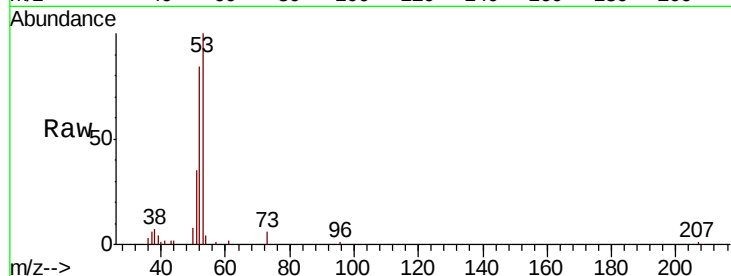
Tot Ion: 53 Resp: 58737

Ion Ratio Lower Upper

53 100

52 81.5 65.4 98.0

51 37.1 29.5 44.3



#16

Acetone

Concen: 79.742 ug/l

RT: 3.77 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN061183.D

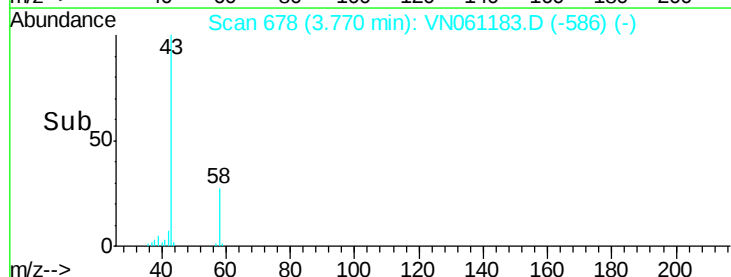
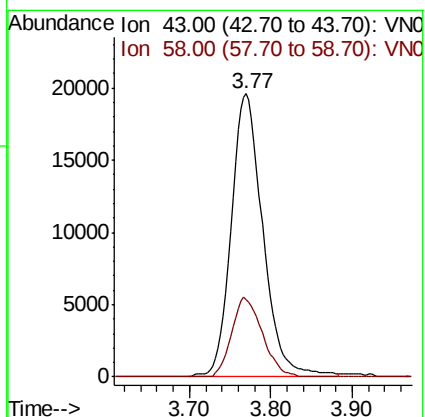
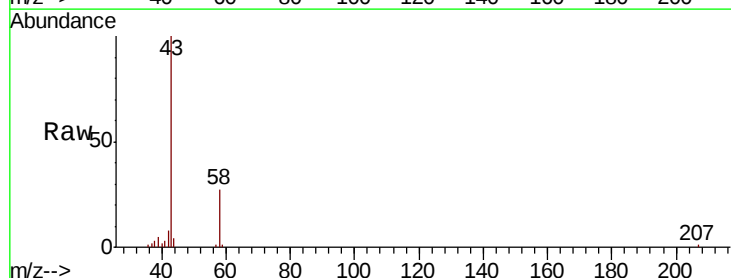
Acq: 29 Apr 2020 11:18

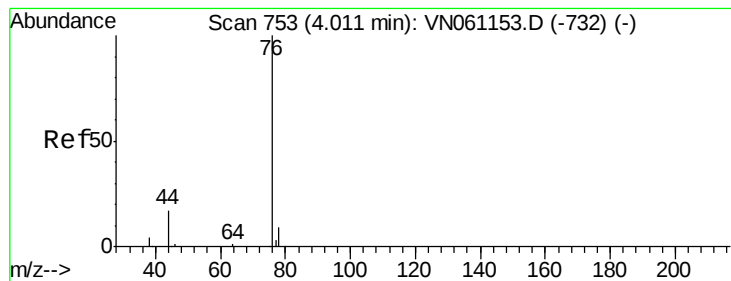
Tgt Ion: 43 Resp: 53155

Ion Ratio Lower Upper

43 100

58 27.5 22.2 33.2





#17

Carbon Disulfide

Concen: 18.892 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

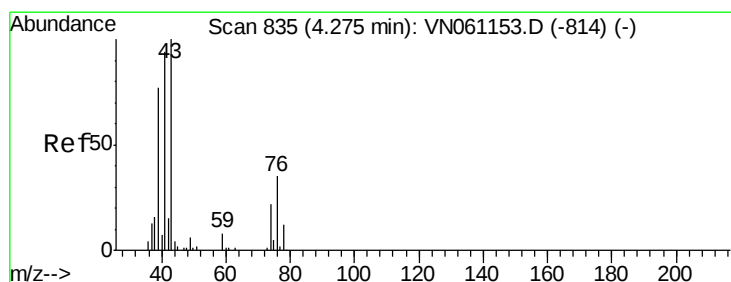
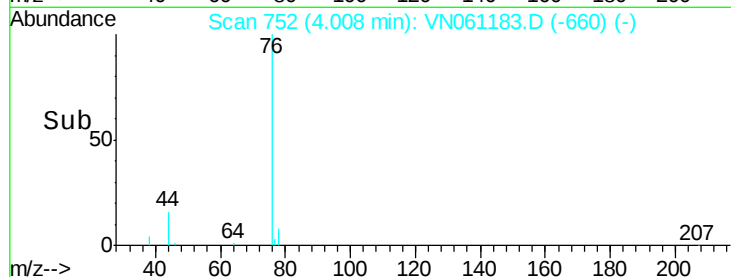
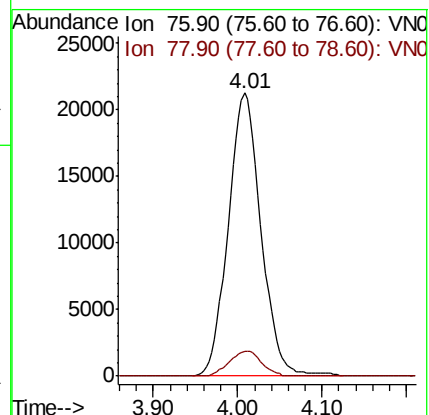
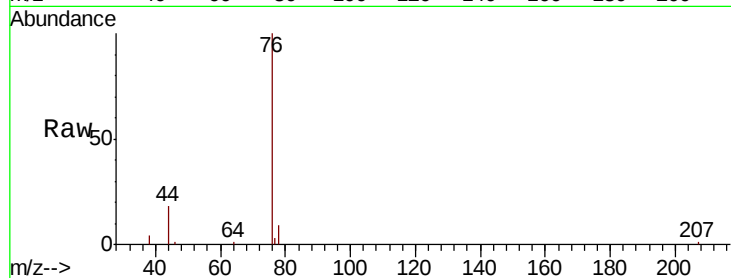
VN0429WBS01

Tot Ion: 76 Resp: 57273

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



#18

Methyl Acetate

Concen: 16.671 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061183.D

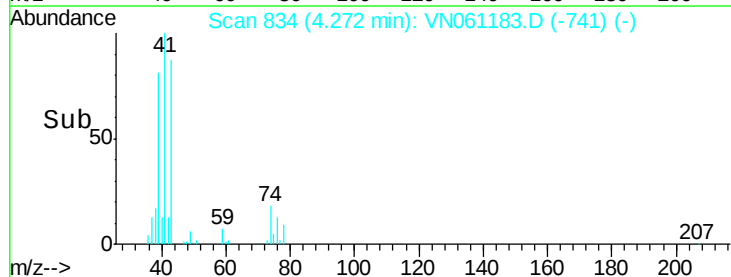
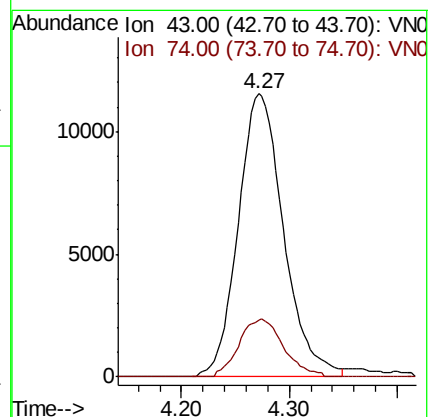
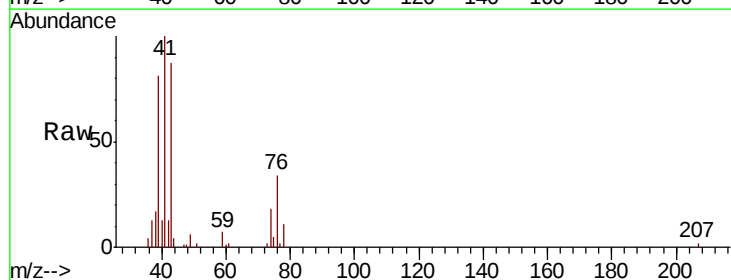
Acq: 29 Apr 2020 11:18

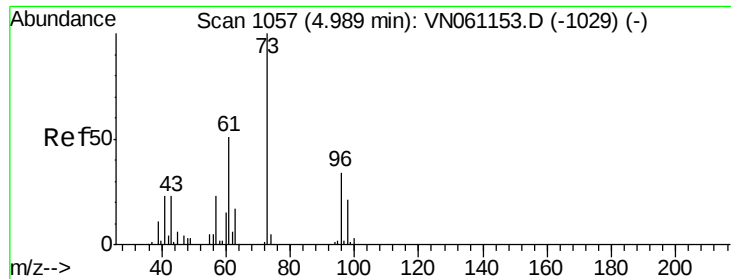
Tgt Ion: 43 Resp: 33684

Ion Ratio Lower Upper

43 100

74 20.1 17.0 25.4

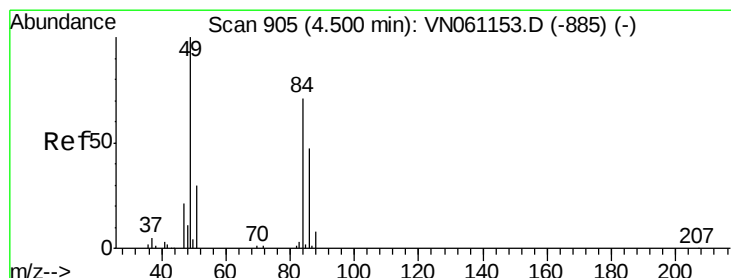
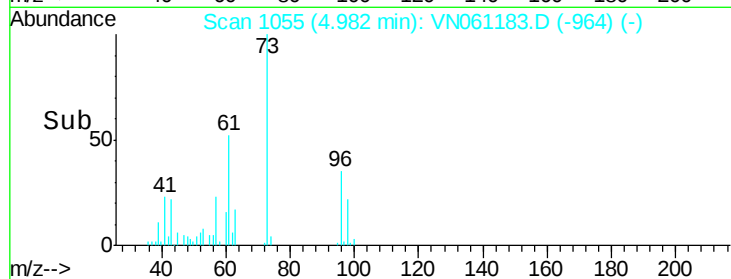
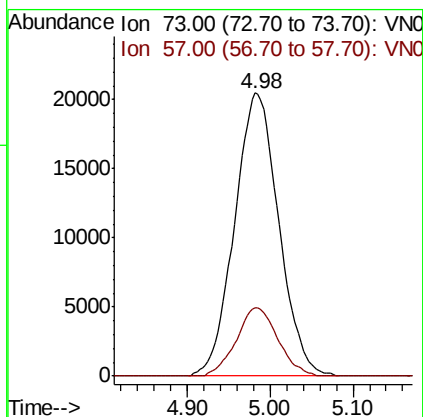
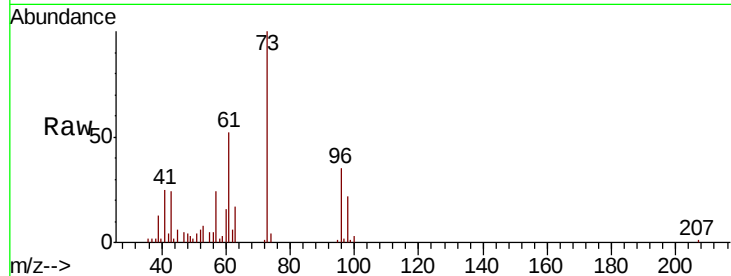




#19  
Methyl tert-butyl Ether  
Concen: 18.067 ug/l  
RT: 4.98 min Scan# 1055  
Delta R.T. -0.01 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

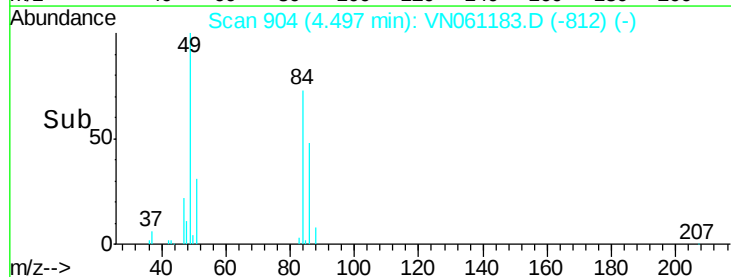
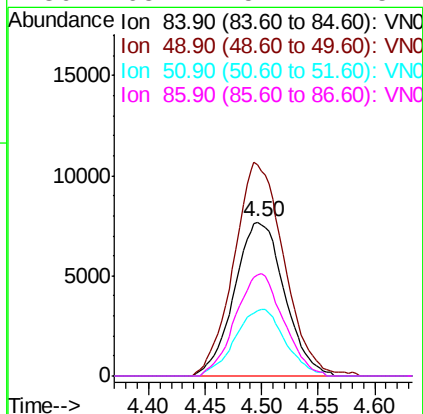
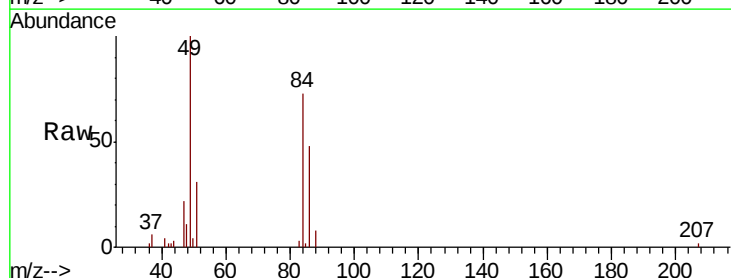
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

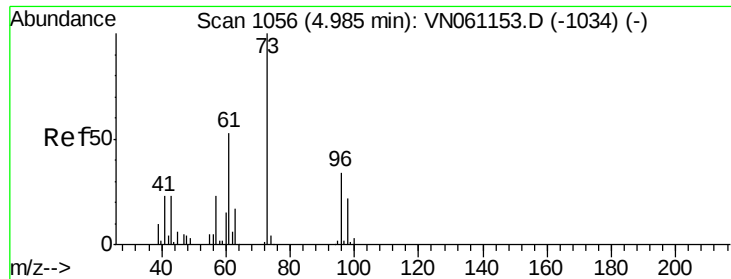
Tot Ion: 73 Resp: 75766  
Ion Ratio Lower Upper  
73 100  
57 24.0 18.3 27.5



#20  
Methylene Chloride  
Concen: 18.444 ug/l  
RT: 4.50 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 84 Resp: 23672  
Ion Ratio Lower Upper  
84 100  
49 137.2 112.0 168.0  
51 42.4 33.6 50.4  
86 65.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 18.980 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampled :

VN0429WBS01

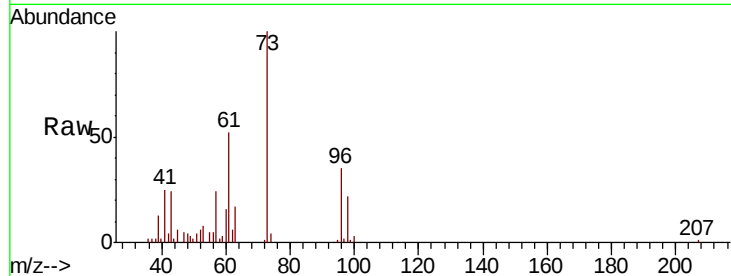
Tot Ion: 96 Resp: 22683

Ion Ratio Lower Upper

96 100

61 146.0 123.0 184.4

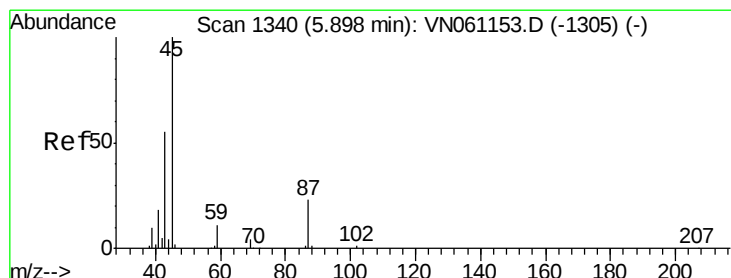
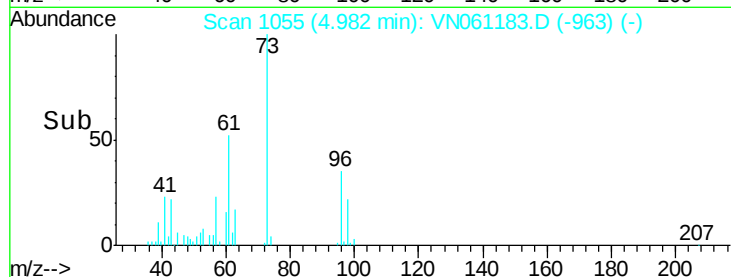
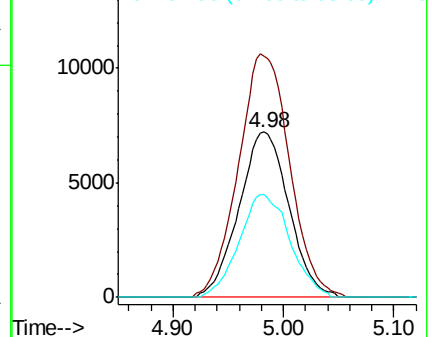
98 62.0 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VN061183.D (-1034) (-)

Ion 60.90 (60.60 to 61.60): VN061183.D (-1034) (-)

Ion 97.90 (97.60 to 98.60): VN061183.D (-1034) (-)



#22

Diisopropyl ether

Concen: 18.264 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion: 45 Resp: 86184

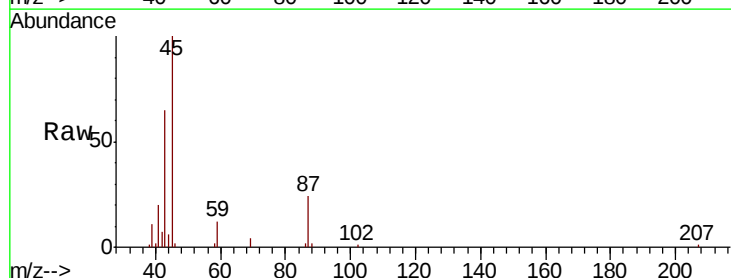
Ion Ratio Lower Upper

45 100

43 62.5 47.9 71.9

87 24.2 19.2 28.8

59 11.9 9.0 13.4

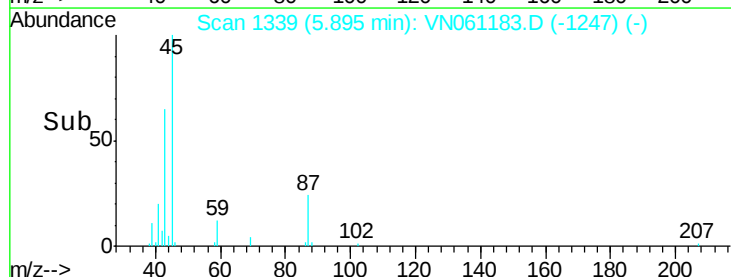
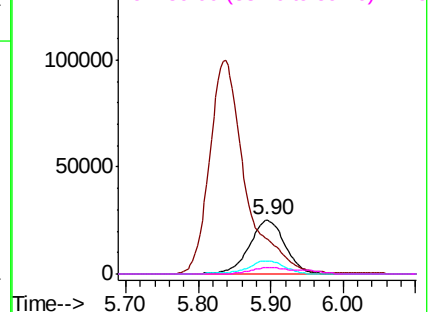


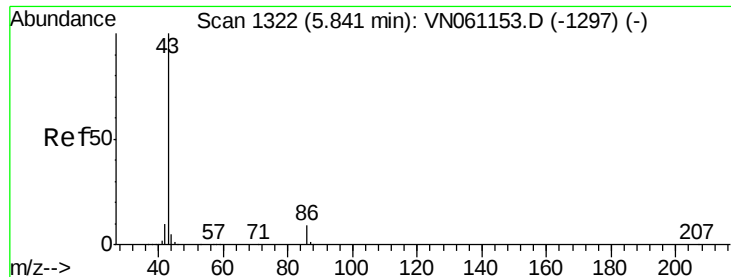
Abundance Ion 45.00 (44.70 to 45.70): VN061183.D (-1305) (-)

Ion 43.00 (42.70 to 43.70): VN061183.D (-1305) (-)

Ion 87.00 (86.70 to 87.70): VN061183.D (-1305) (-)

Ion 59.00 (58.70 to 59.70): VN061183.D (-1305) (-)





#23

Vinyl Acetate

Concen: 90.323 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampled :

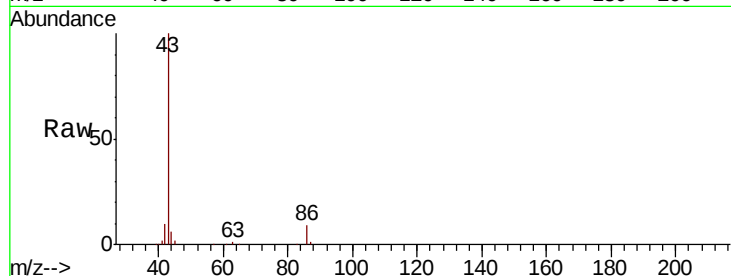
VN0429WBS01

Tot Ion: 43 Resp: 343189

Ion Ratio Lower Upper

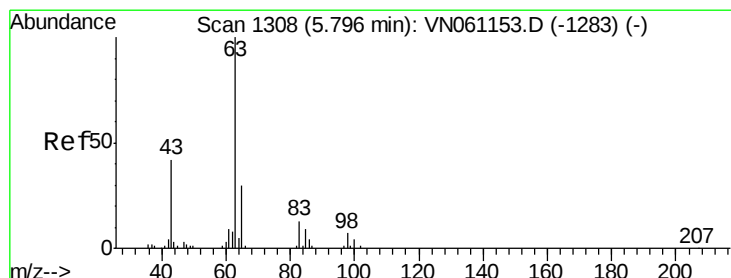
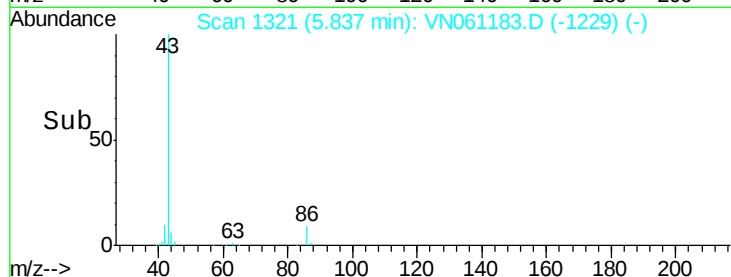
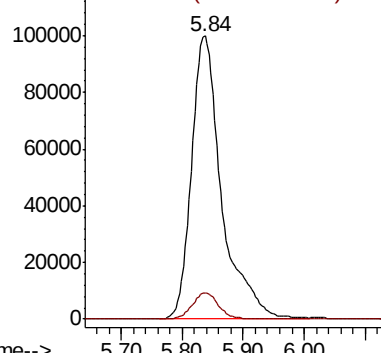
43 100

86 9.3 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.776 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

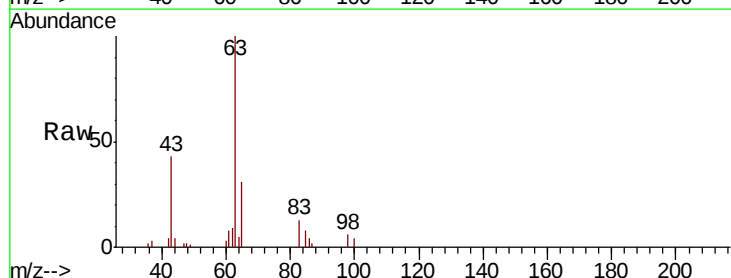
Tgt Ion: 63 Resp: 46294

Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.9

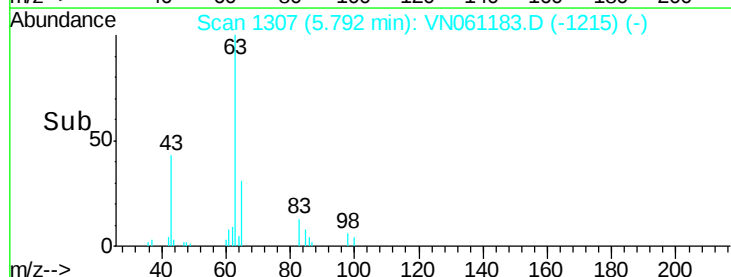
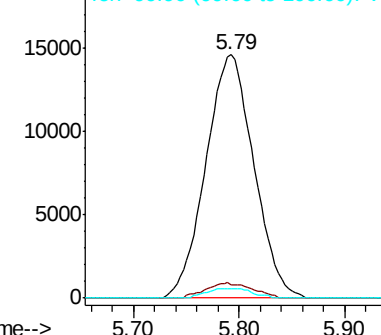
100 4.0 1.9 5.7

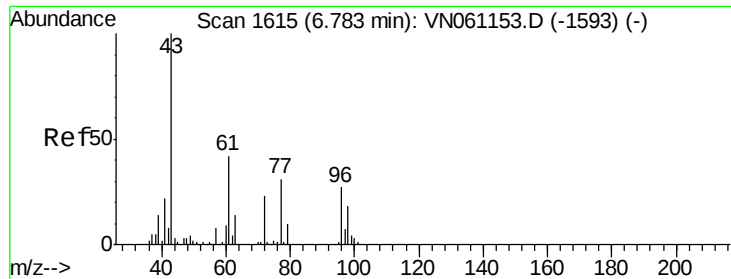


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 84.148 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

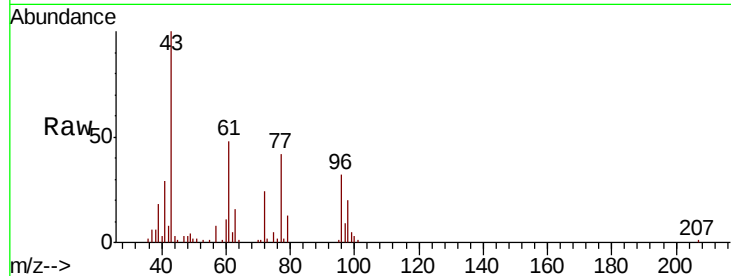
VN0429WBS01

Tot Ion: 43 Resp: 81955

Ion Ratio Lower Upper

43 100

72 23.5 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

30000

25000

20000

15000

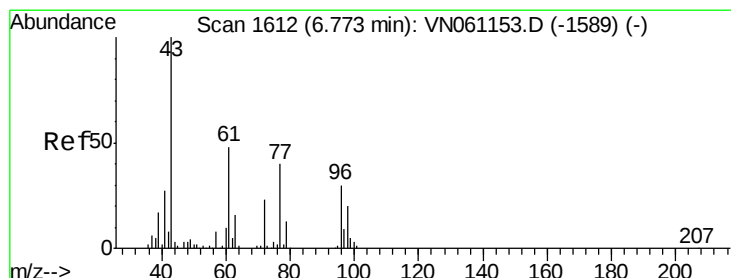
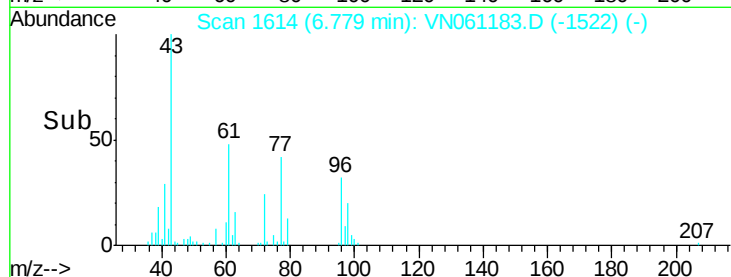
10000

5000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 20.233 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061183.D

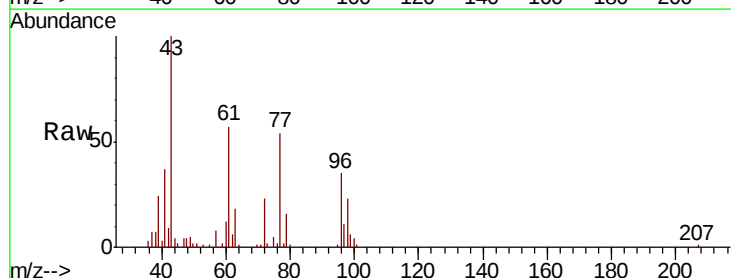
Acq: 29 Apr 2020 11:18

Tgt Ion: 77 Resp: 42018

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

15000

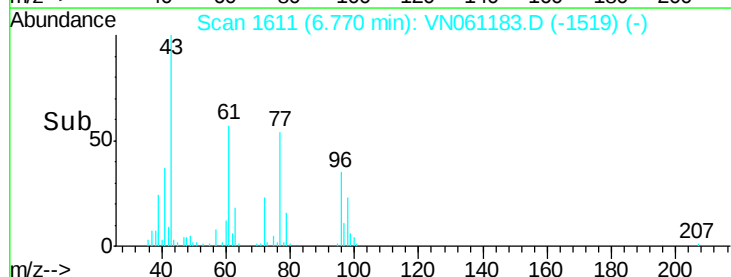
10000

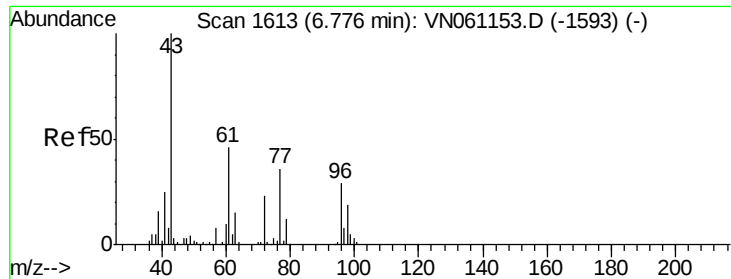
5000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.684 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

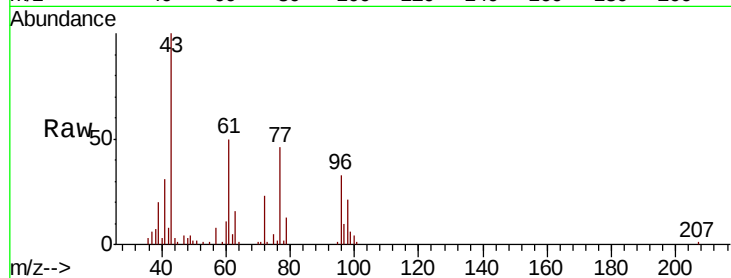
Tot Ion: 96 Resp: 26203

Ion Ratio Lower Upper

96 100

61 161.6 0.0 322.0

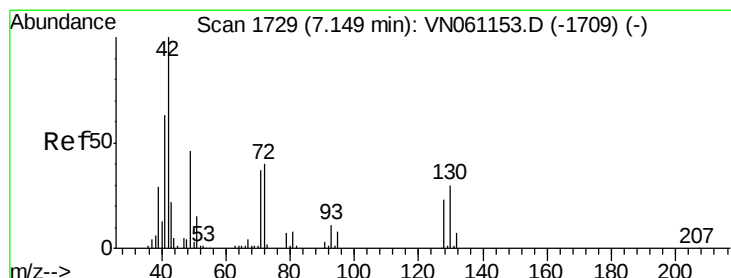
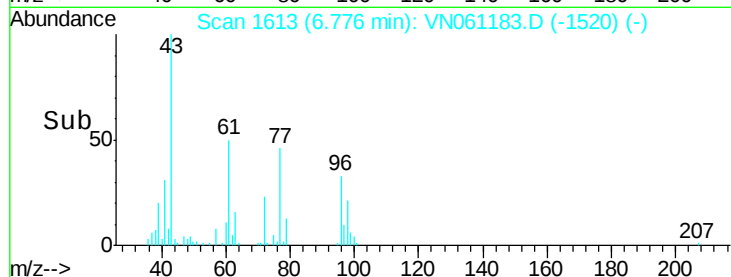
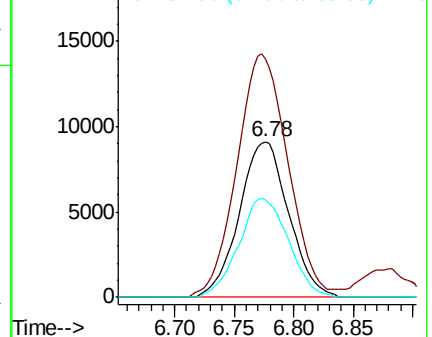
98 64.1 0.0 129.6



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: 19.463 ug/l

RT: 7.15 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

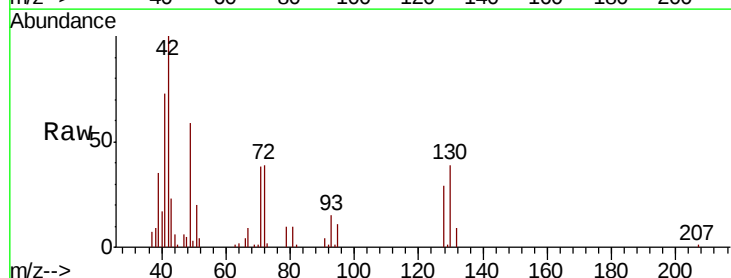
Tgt Ion: 49 Resp: 22745

Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.0

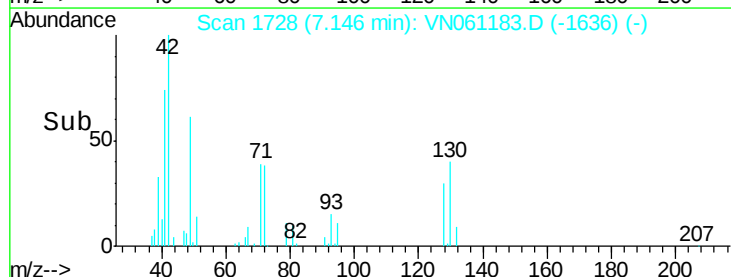
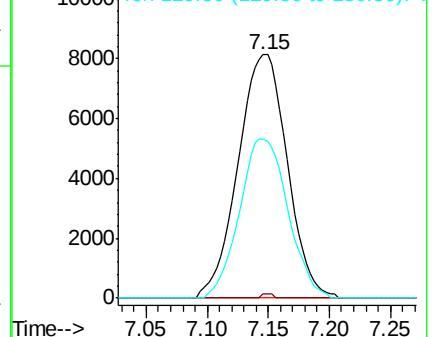
130 64.3 51.4 77.2



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

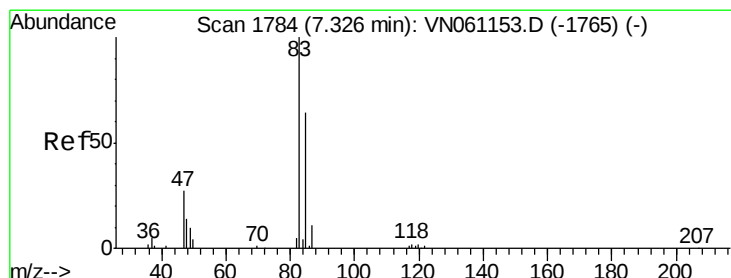
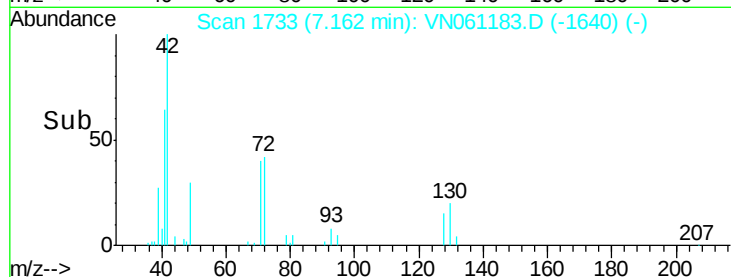
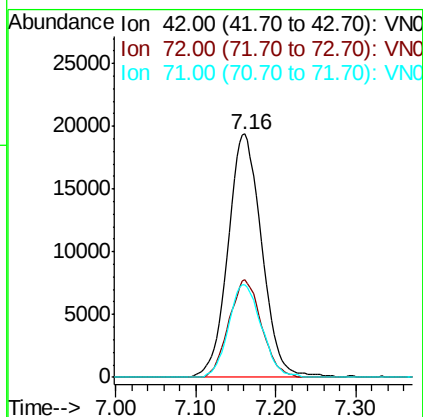
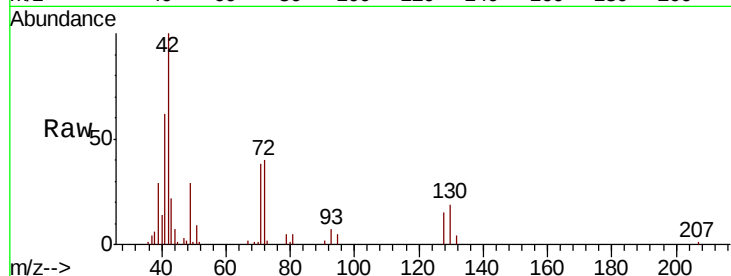




#29  
Tetrahydrofuran  
Concen: 84.703 ug/l  
RT: 7.16 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

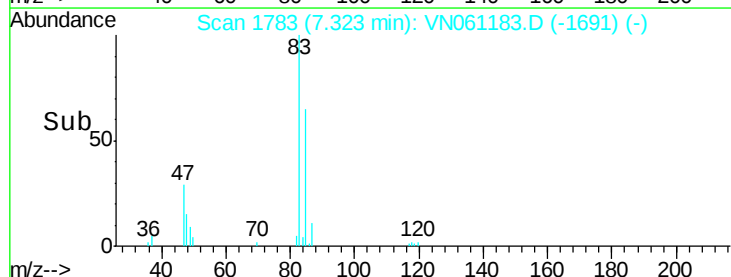
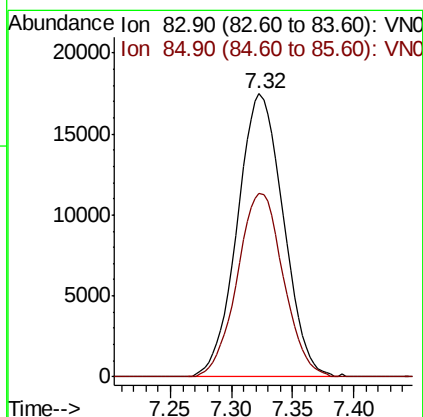
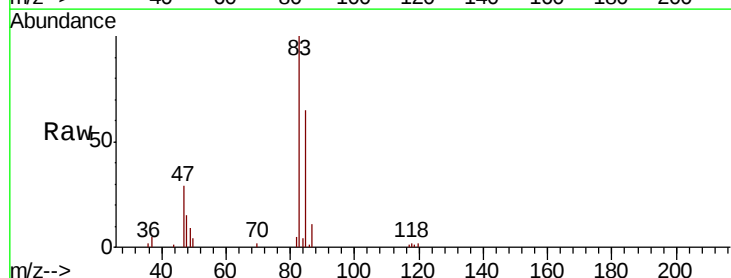
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

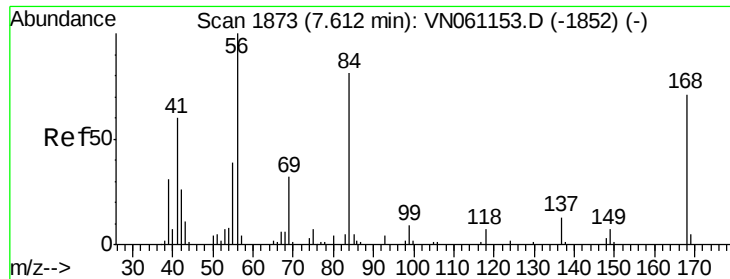
Tot Ion: 42 Resp: 55571  
Ion Ratio Lower Upper  
42 100  
72 38.5 31.4 47.0  
71 37.0 29.5 44.3



#30  
Chloroform  
Concen: 18.291 ug/l  
RT: 7.32 min Scan# 1783  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 83 Resp: 45702  
Ion Ratio Lower Upper  
83 100  
85 65.0 51.1 76.7

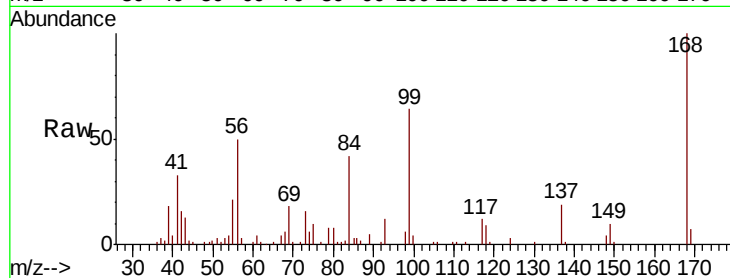




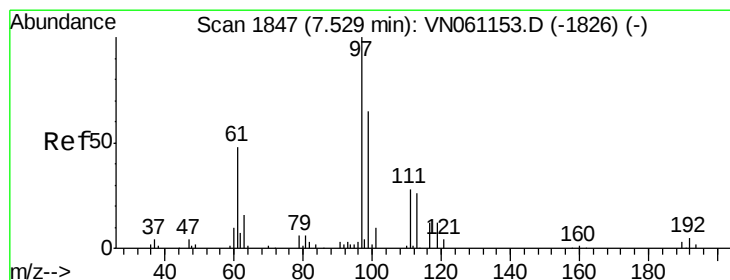
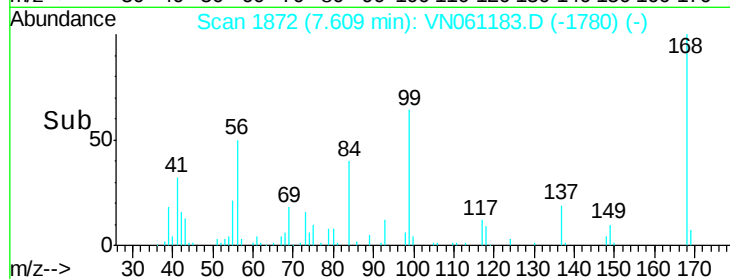
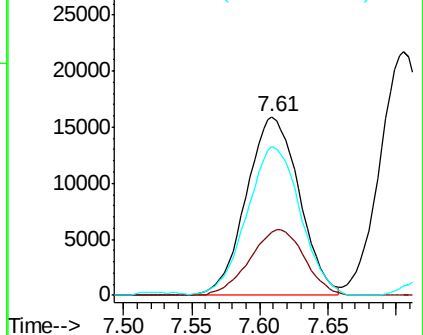
#31  
Cyclohexane  
Concen: 17.937 ug/l  
RT: 7.61 min Scan# 1872  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

Tot Ion: 56 Resp: 42948  
Ion Ratio Lower Upper  
56 100  
69 35.6 25.7 38.5  
84 83.4 64.6 97.0

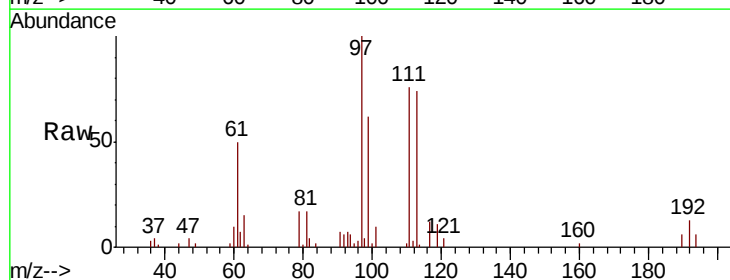


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

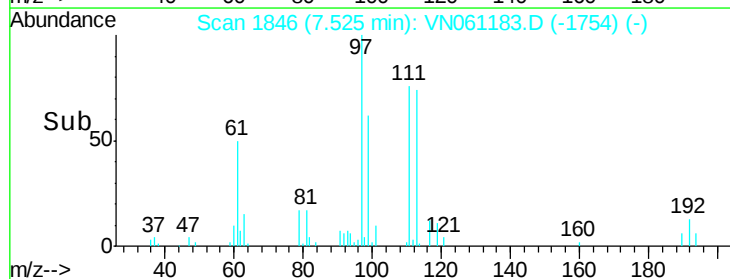
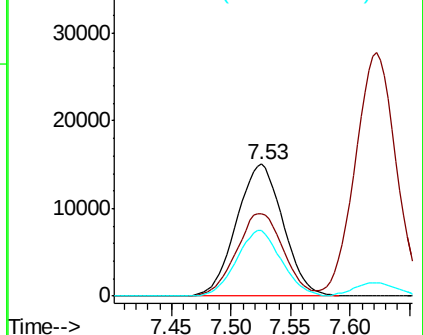


#32  
1,1,1-Trichloroethane  
Concen: 18.767 ug/l  
RT: 7.53 min Scan# 1846  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 97 Resp: 40832  
Ion Ratio Lower Upper  
97 100  
99 62.9 51.3 76.9  
61 47.7 38.6 57.8



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

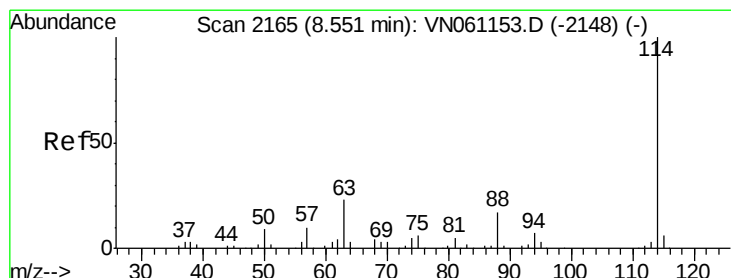
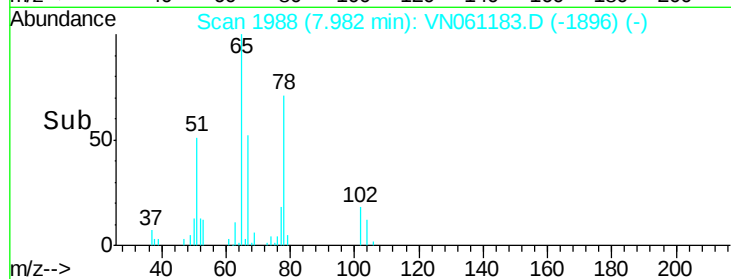
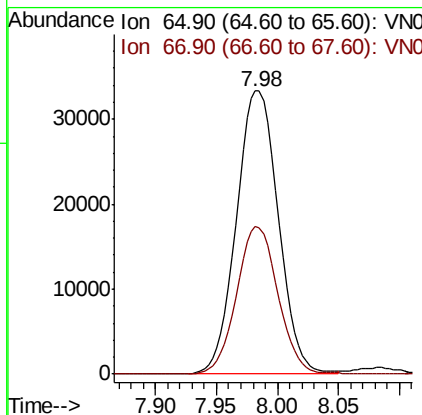
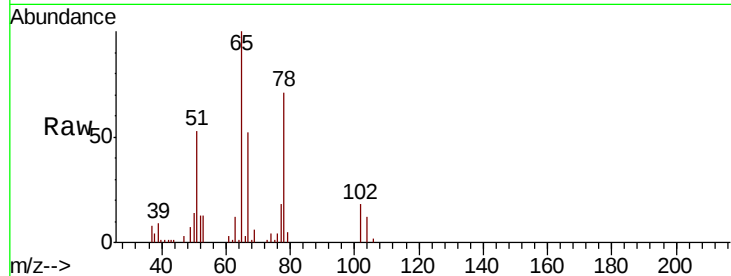




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.259 ug/l  
 RT: 7.98 min Scan# 1988  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

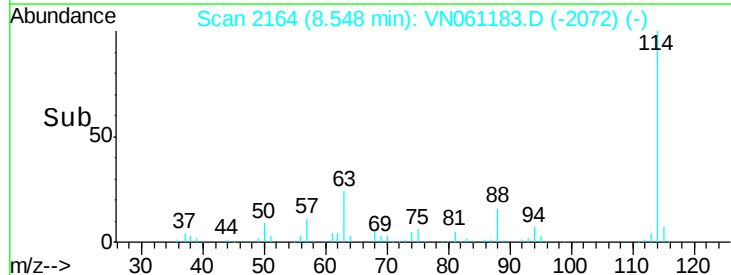
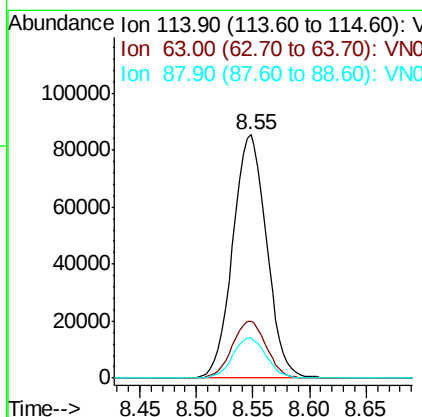
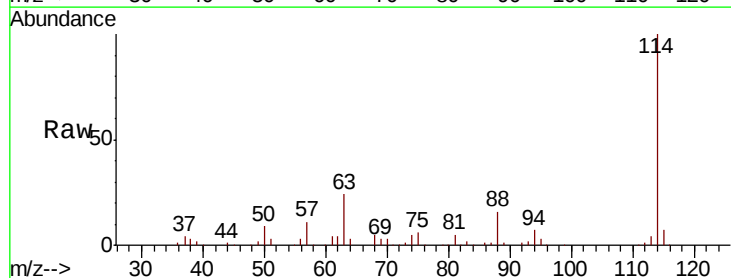
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0429WBS01

Tot Ion: 65 Resp: 79431  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2164  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion: 114 Resp: 177928  
 Ion Ratio Lower Upper  
 114 100  
 63 23.5 0.0 46.6  
 88 16.3 0.0 33.4

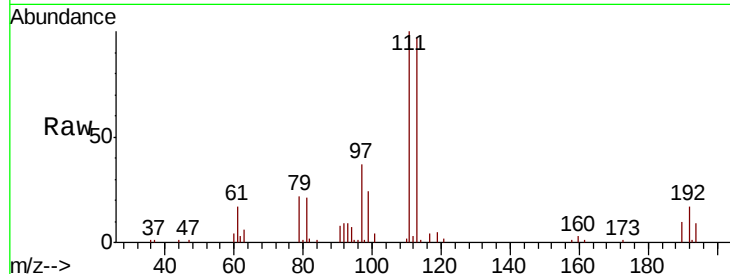




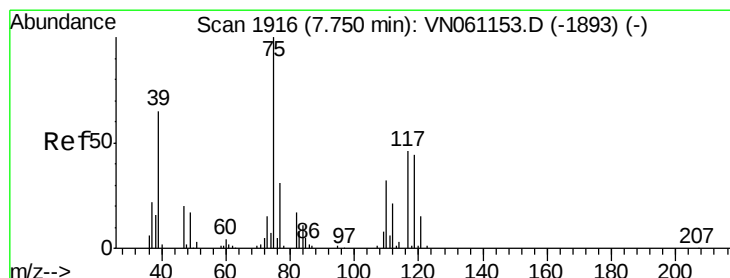
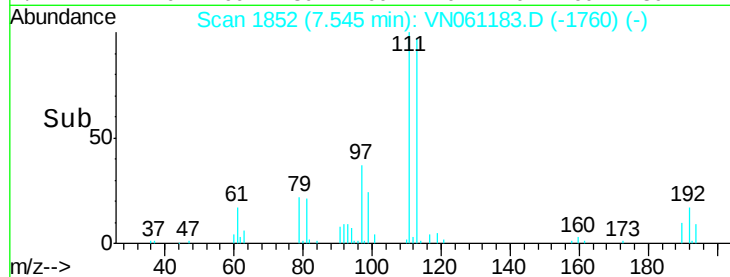
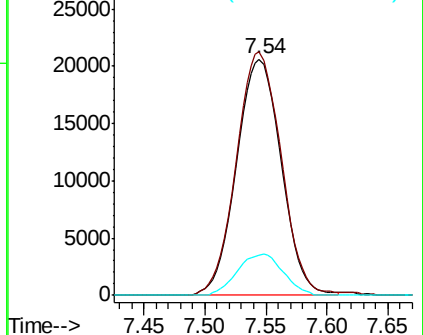
#35  
 Dibromofluoromethane  
 Concen: 49.808 ug/l  
 RT: 7.54 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0429WBS01

Tot Ion:113 Resp: 52404  
 Ion Ratio Lower Upper  
 113 100  
 111 103.7 82.9 124.3  
 192 18.0 14.7 22.1

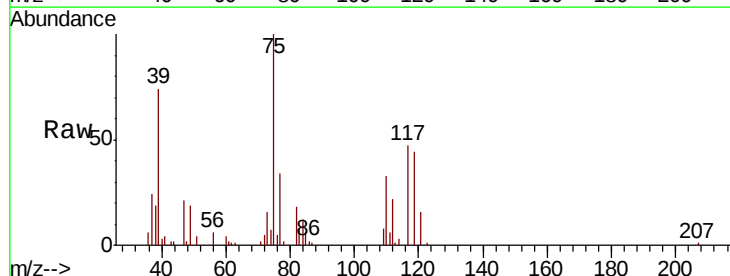


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

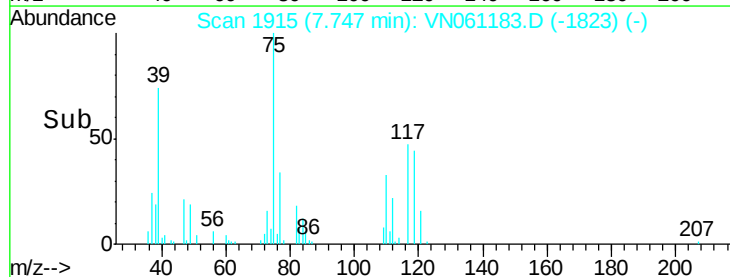
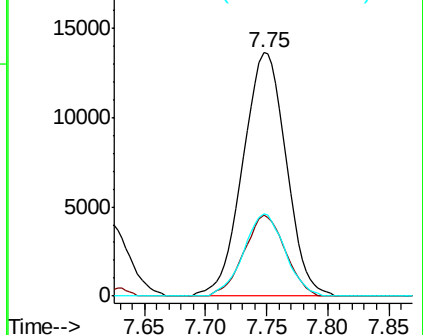


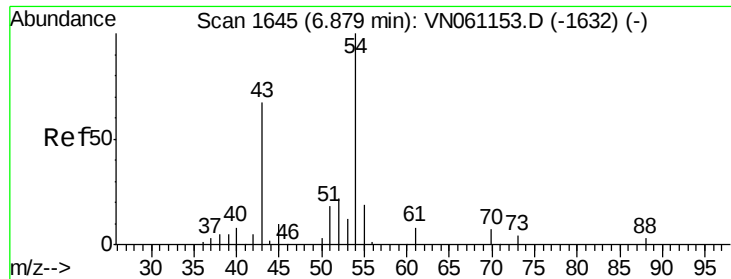
#36  
 1,1-Dichloropropene  
 Concen: 18.824 ug/l  
 RT: 7.75 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion: 75 Resp: 33529  
 Ion Ratio Lower Upper  
 75 100  
 110 31.7 16.0 48.0  
 77 32.2 24.6 37.0



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

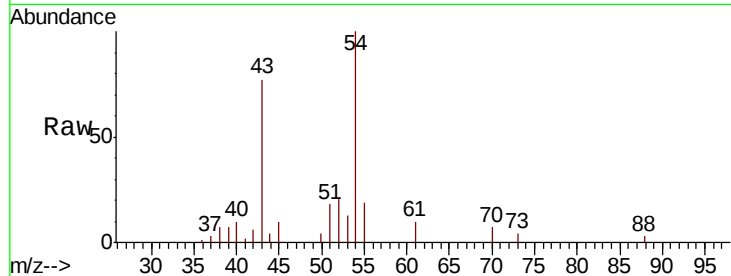




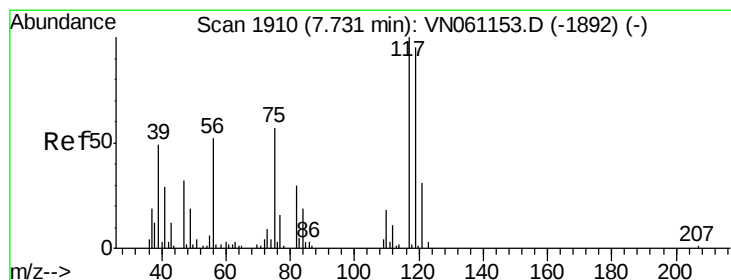
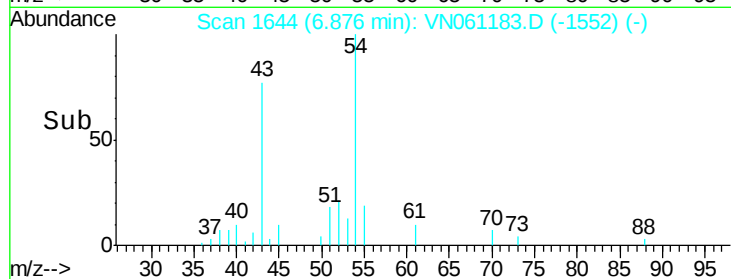
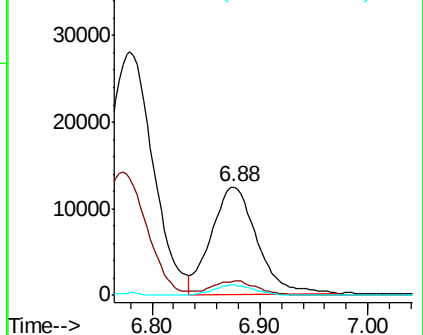
#37  
Ethyl Acetate  
Concen: 17.350 ug/l  
RT: 6.88 min Scan# 1644  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0429WBS01

Tot Ion: 43 Resp: 36228  
Ion Ratio Lower Upper  
43 100  
61 13.2 10.2 15.2  
70 8.5 7.2 10.8

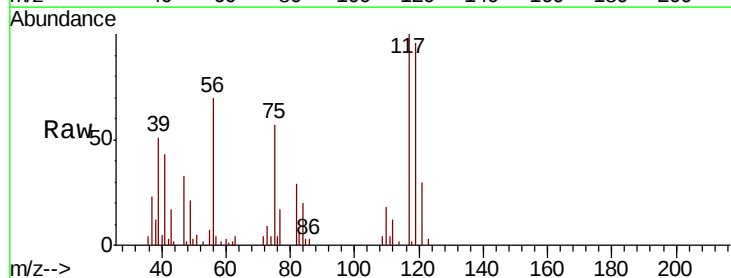


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

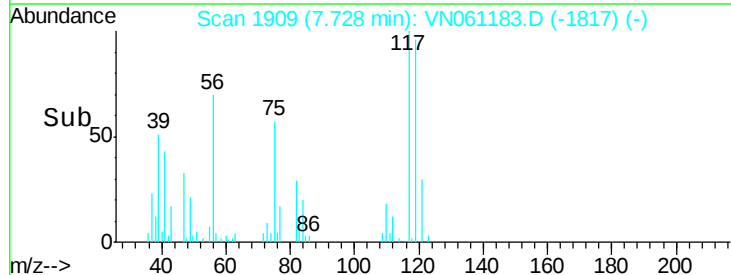
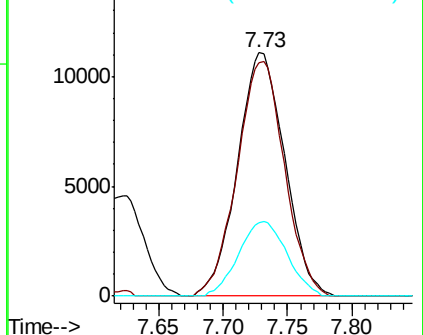


#38  
Carbon Tetrachloride  
Concen: 18.887 ug/l  
RT: 7.73 min Scan# 1909  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 117 Resp: 28270  
Ion Ratio Lower Upper  
117 100  
119 95.9 75.8 113.6  
121 30.2 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

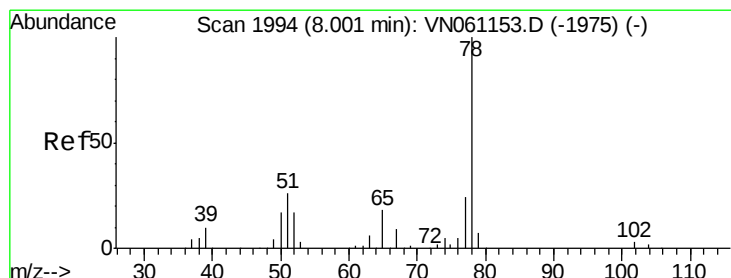
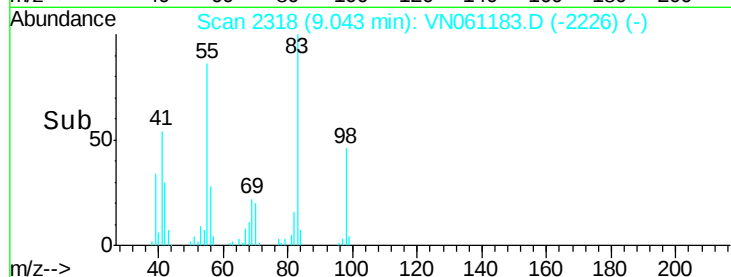
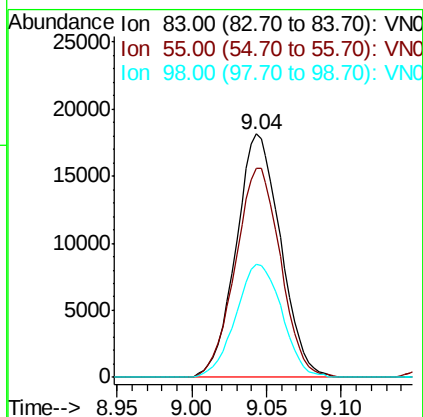
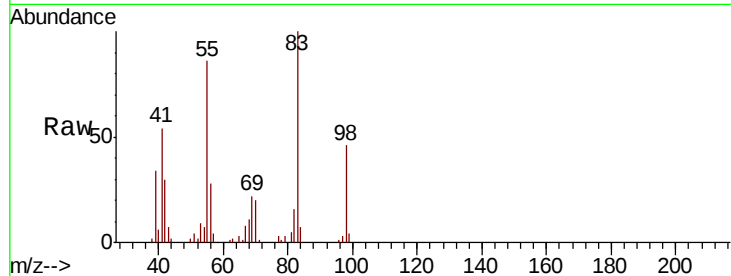




#39  
Methvlcvclohexane  
Concen: 18.820 ug/l  
RT: 9.04 min Scan# 2318  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

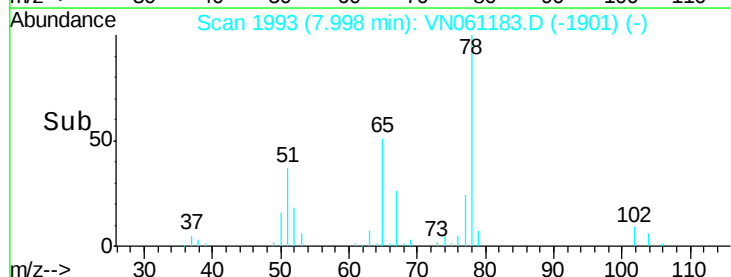
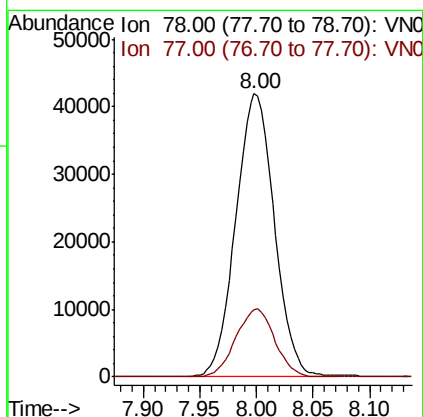
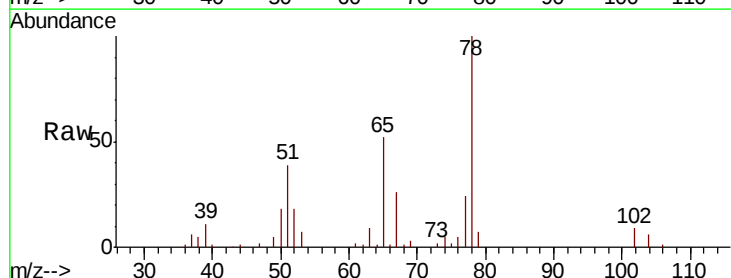
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

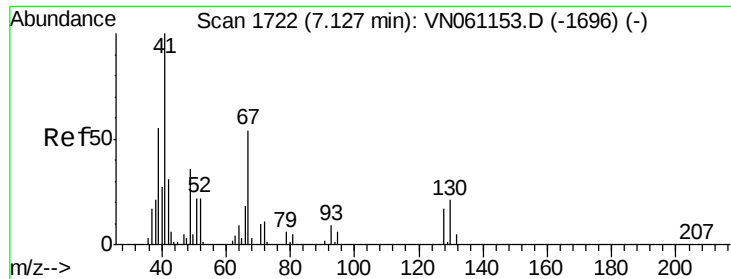
Tot Ion: 83 Resp: 37593  
Ion Ratio Lower Upper  
83 100  
55 85.9 67.3 100.9  
98 46.5 37.7 56.5



#40  
Benzene  
Concen: 18.783 ug/l  
RT: 8.00 min Scan# 1993  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 78 Resp: 99669  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.0 28.6

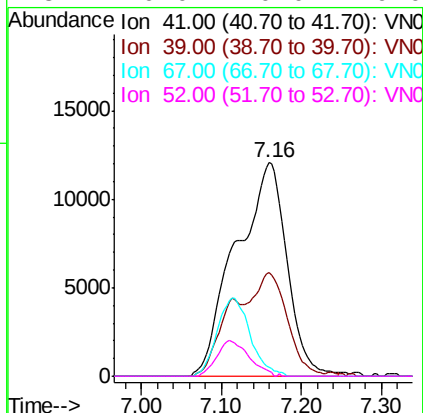
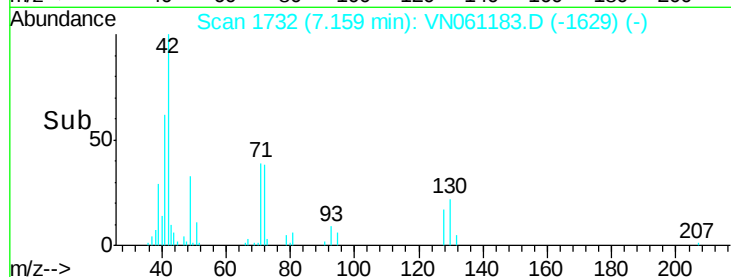
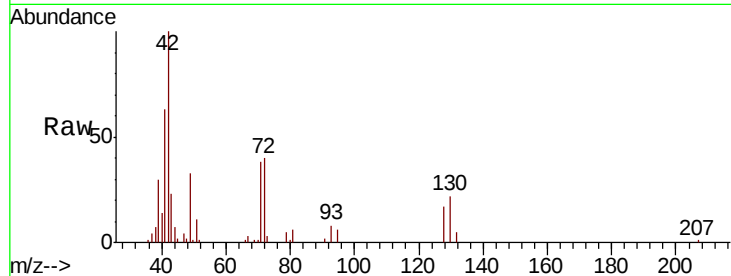




#41  
Methacrylonitrile  
Concen: 60.929 ug/l  
RT: 7.16 min Scan# 1732  
Delta R.T. 0.03 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

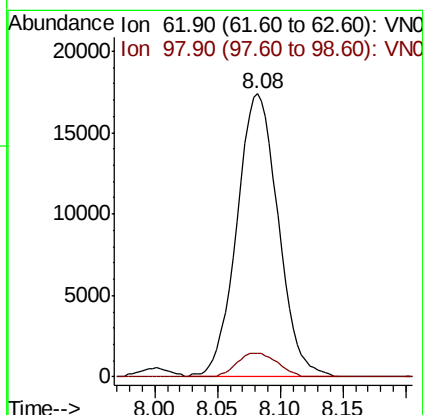
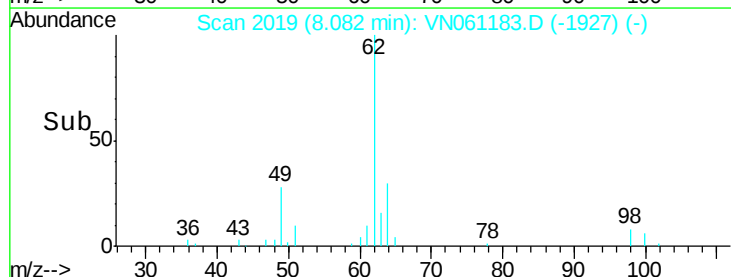
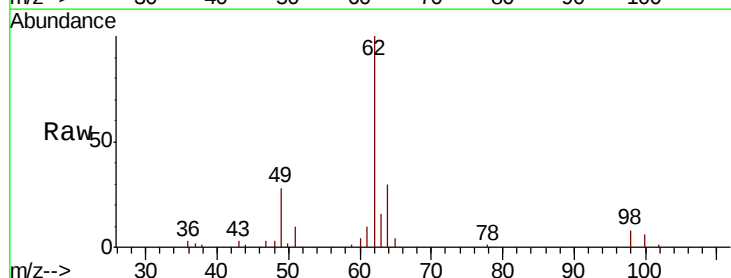
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0429WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 52824 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 0.0   | 0.0   | 0.0   |
| 67       | 0.0   | 0.0   | 0.0   |
| 52       | 0.0   | 0.0   | 0.0   |



#42  
1,2-Dichloroethane  
Concen: 19.883 ug/l  
RT: 8.08 min Scan# 2019  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 39971 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.2   | 0.0   | 16.8  |





#43

Isopropyl Acetate

Concen: 17.785 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

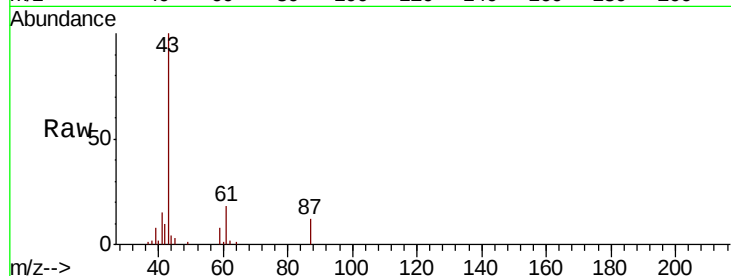
Tot Ion: 43 Resp: 61631

Ion Ratio Lower Upper

43 100

61 24.2 19.5 29.3

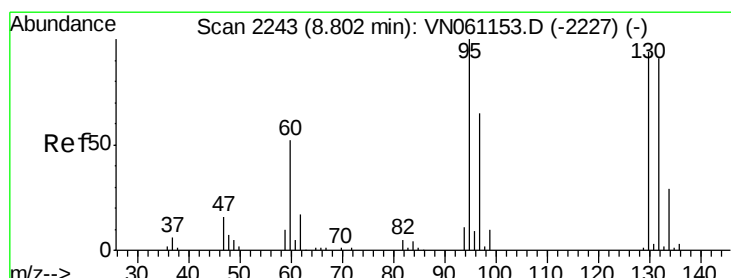
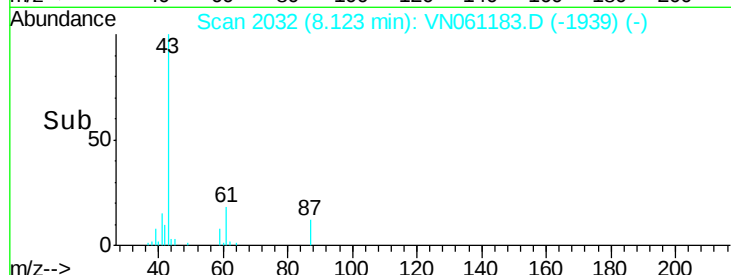
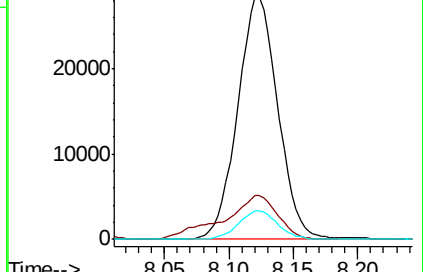
87 11.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061183.D (-1939) (-)

Ion 61.00 (60.70 to 61.70): VN061183.D (-1939) (-)

Ion 87.00 (86.70 to 87.70): VN061183.D (-1939) (-)



#44

Trichloroethene

Concen: 18.491 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061183.D

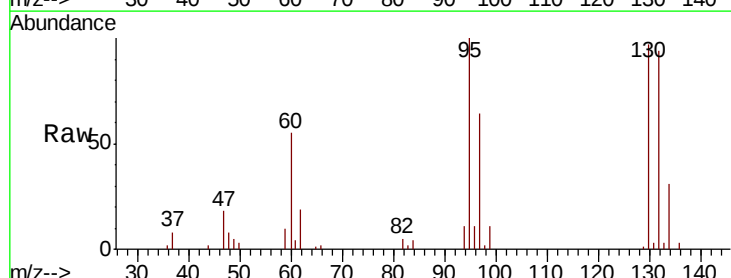
Acq: 29 Apr 2020 11:18

Tgt Ion: 130 Resp: 26525

Ion Ratio Lower Upper

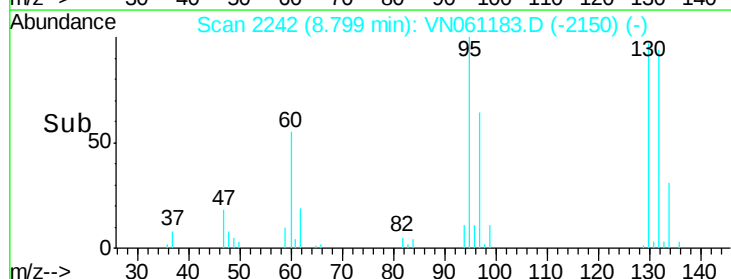
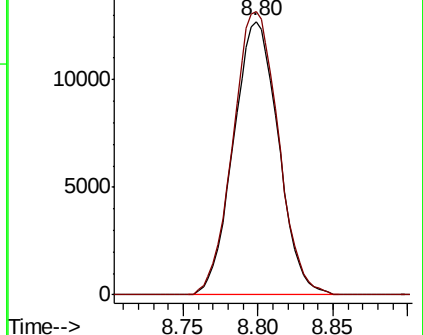
130 100

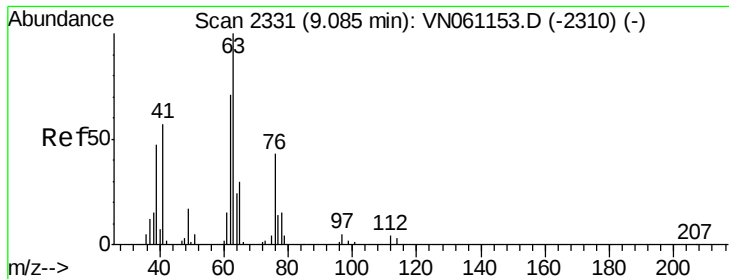
95 103.4 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061183.D (-2150) (-)

Ion 94.90 (94.60 to 95.60): VN061183.D (-2150) (-)





#45

1,2-Dichloropropane

Concen: 18.971 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

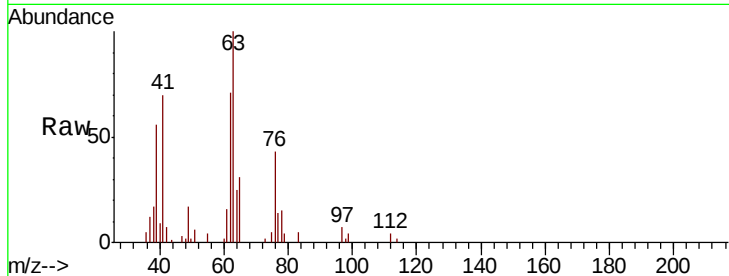
VN0429WBS01

Tot Ion: 63 Resp: 26894

Ion Ratio Lower Upper

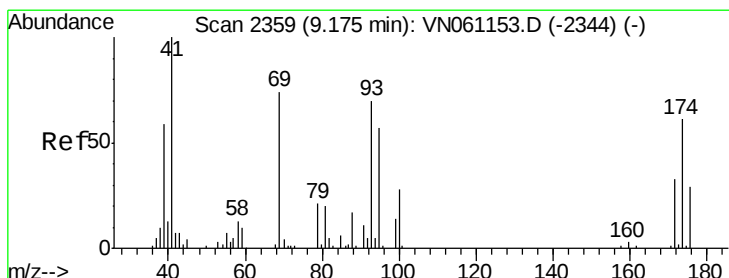
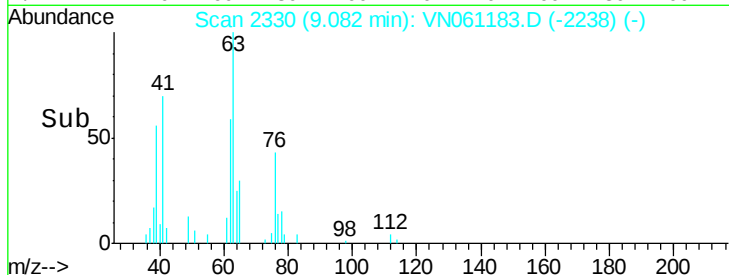
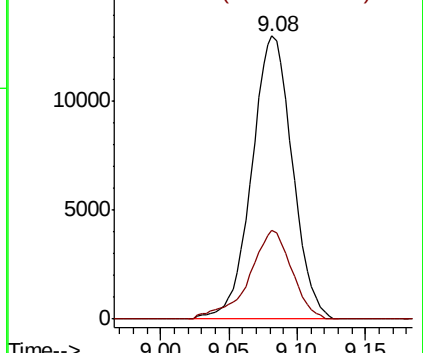
63 100

65 31.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061183.D (-2238) (-)

Ion 64.90 (64.60 to 65.60): VN061183.D (-2238) (-)



#46

Dibromomethane

Concen: 19.333 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

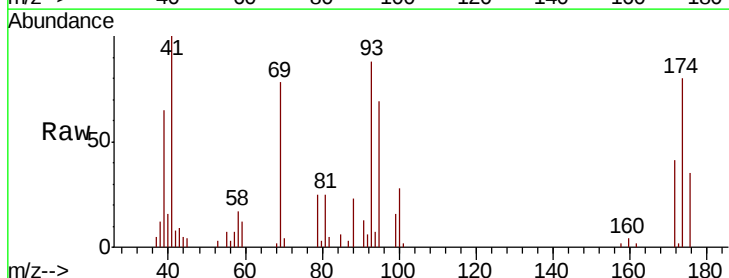
Tgt Ion: 93 Resp: 16970

Ion Ratio Lower Upper

93 100

95 82.5 66.6 99.8

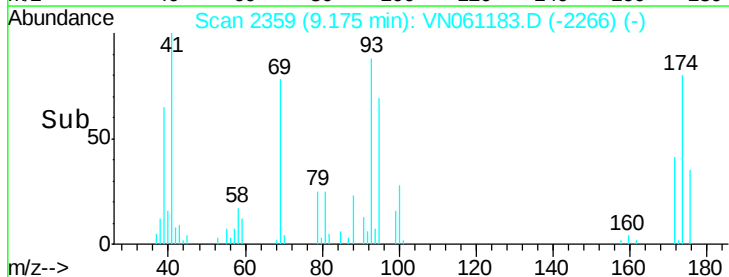
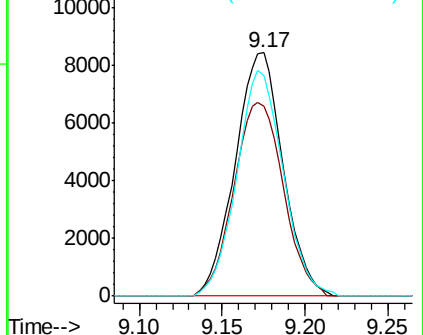
174 90.0 70.2 105.2

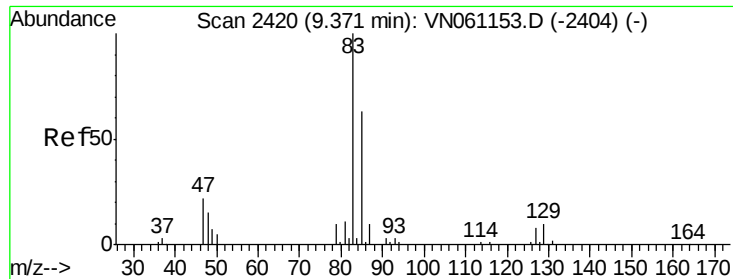


Abundance Ion 92.80 (92.50 to 93.50): VN061183.D (-2266) (-)

Ion 94.80 (94.50 to 95.50): VN061183.D (-2266) (-)

Ion 173.70 (173.40 to 174.40): VN061183.D (-2266) (-)





#47

Bromodichloromethane

Concen: 19.041 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

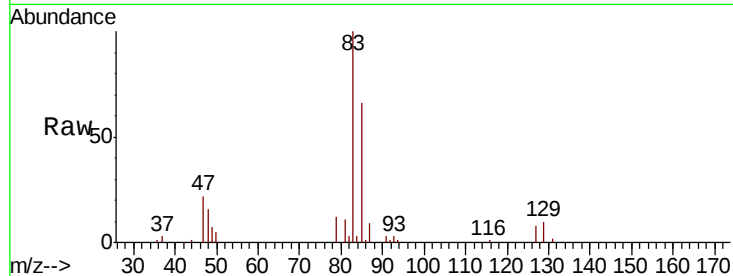
Tot Ion: 83 Resp: 35875

Ion Ratio Lower Upper

83 100

85 66.3 50.4 75.6

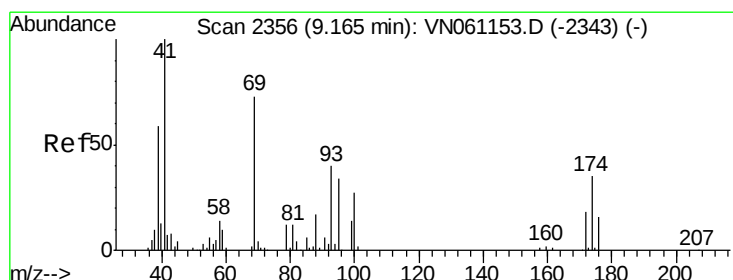
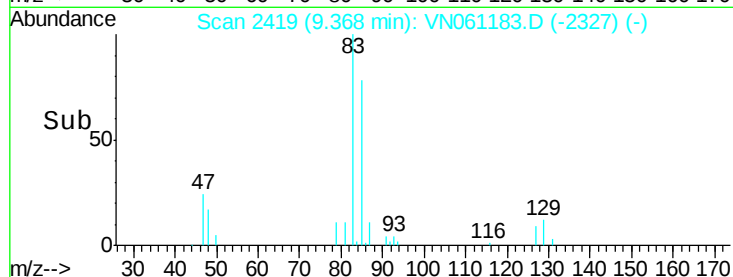
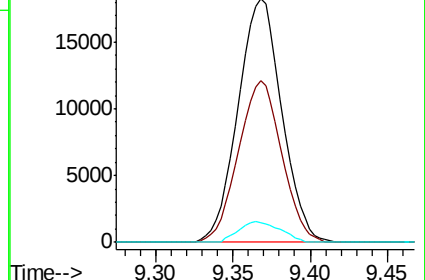
127 8.0 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061183.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061183.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061183.D (-2404) (-)



#48

Methyl methacrylate

Concen: 17.306 ug/l

RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

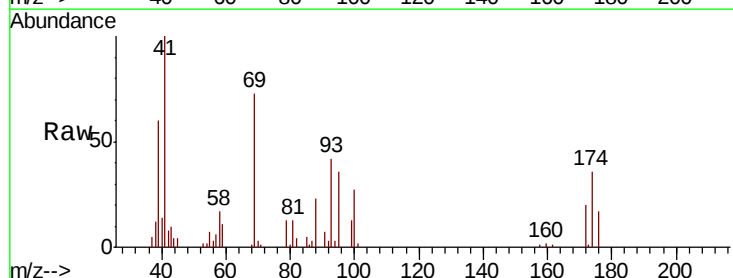
Tgt Ion: 41 Resp: 27062

Ion Ratio Lower Upper

41 100

69 75.7 60.3 90.5

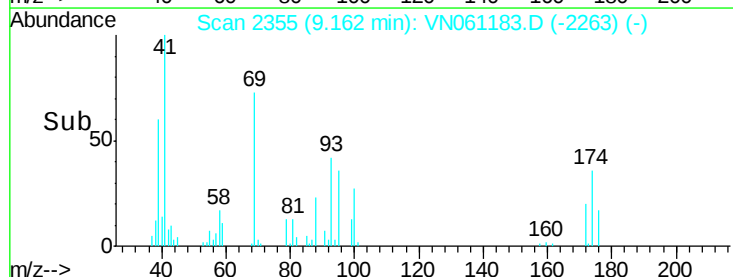
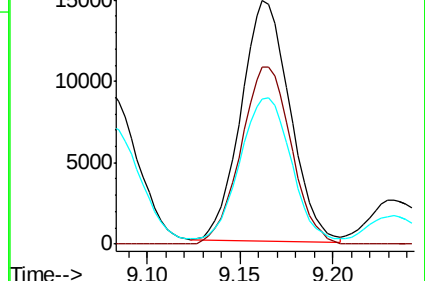
39 65.2 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN061183.D (-2343) (-)

Ion 69.00 (68.70 to 69.70): VN061183.D (-2343) (-)

Ion 39.00 (38.70 to 39.70): VN061183.D (-2343) (-)

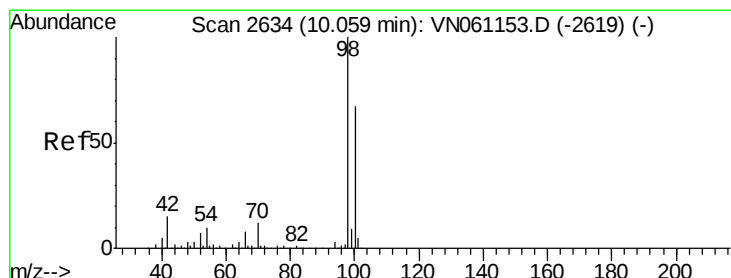
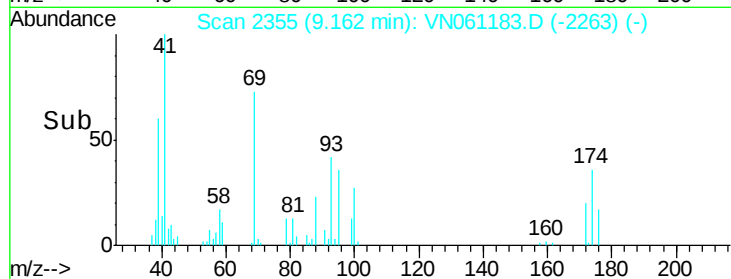
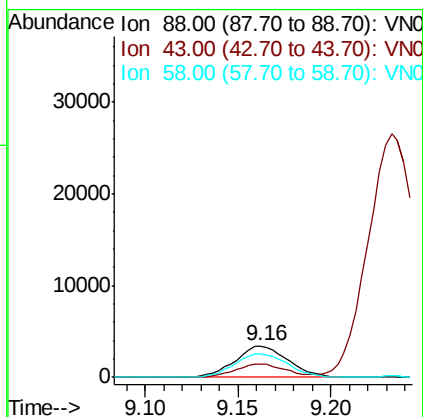
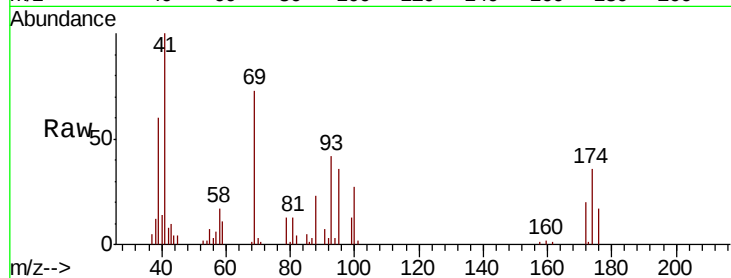




#49  
1,4-Dioxane  
Concen: 383.250 ug/l  
RT: 9.16 min Scan# 2355  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

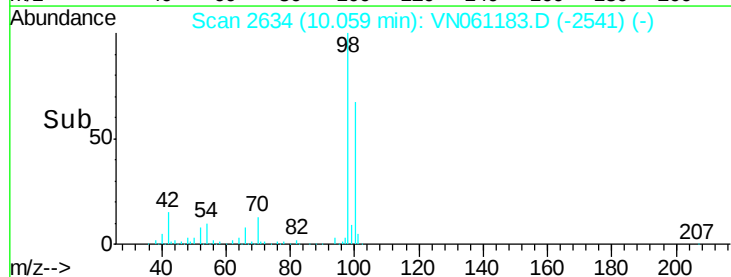
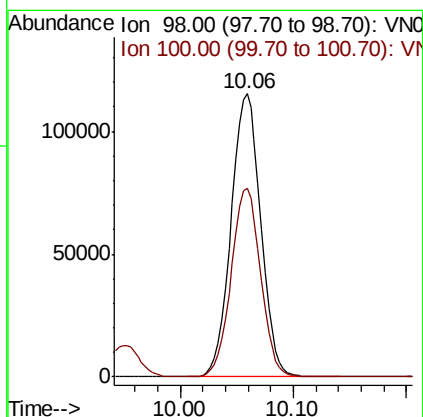
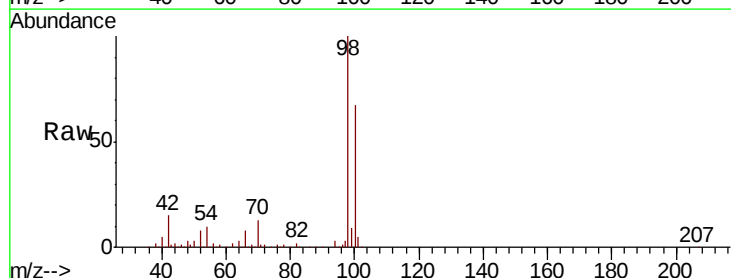
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

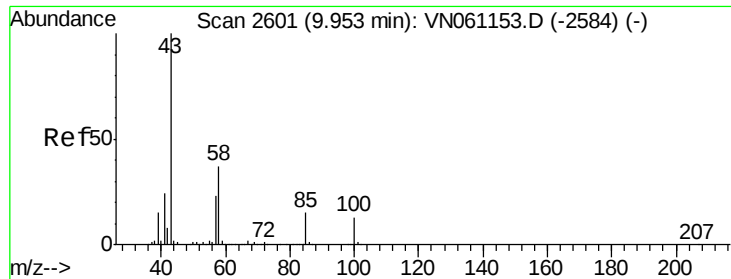
Tot Ion: 88 Resp: 6803  
Ion Ratio Lower Upper  
88 100  
43 40.9 35.3 52.9  
58 74.5 61.5 92.3



#50  
Toluene-d8  
Concen: 49.147 ug/l  
RT: 10.06 min Scan# 2634  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 98 Resp: 210792  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 88.059 ug/l

RT: 9.95 min Scan# 2600

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

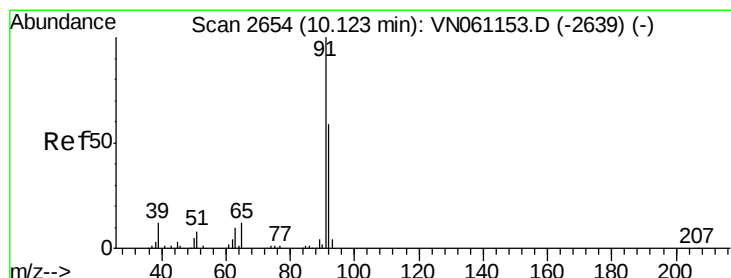
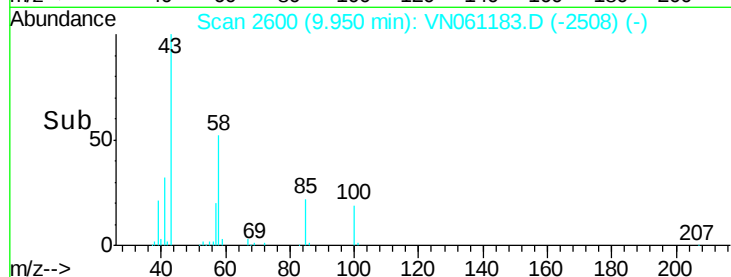
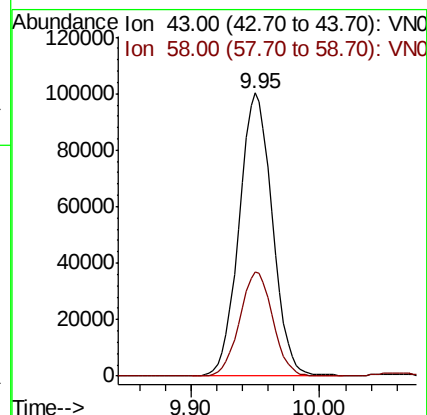
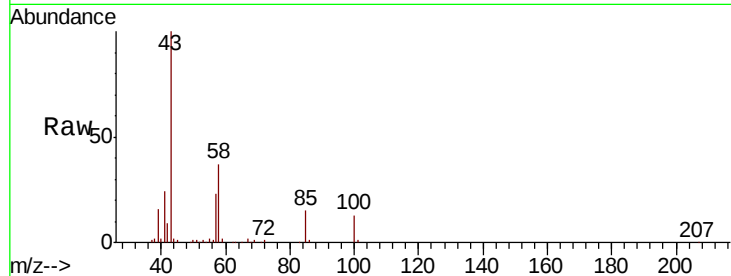
VN0429WBS01

Tot Ion: 43 Resp: 179623

Ion Ratio Lower Upper

43 100

58 36.6 29.1 43.7



#52

Toluene

Concen: 19.037 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061183.D

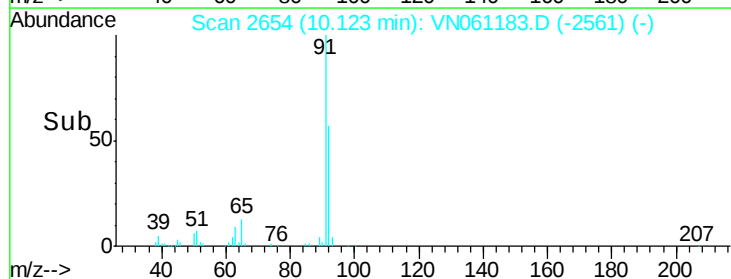
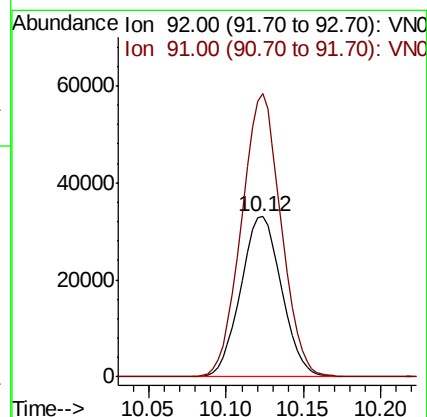
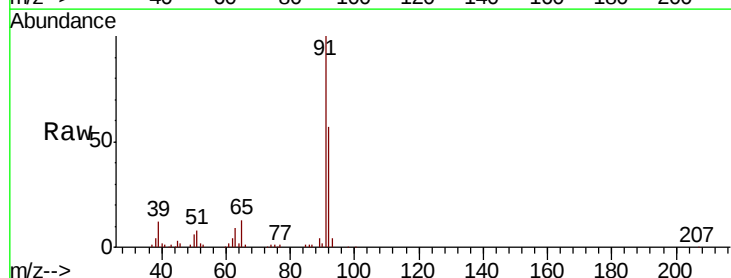
Acq: 29 Apr 2020 11:18

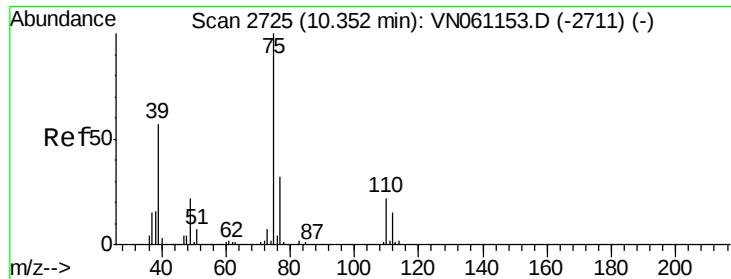
Tgt Ion: 92 Resp: 60847

Ion Ratio Lower Upper

92 100

91 171.3 136.2 204.2

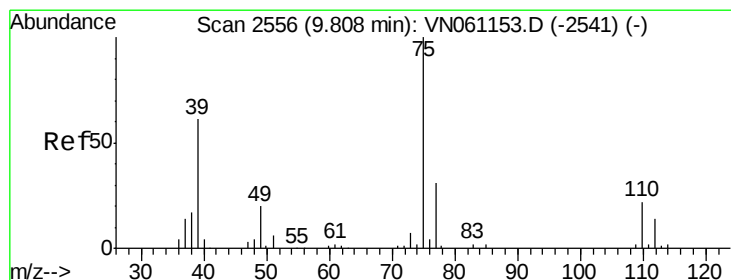
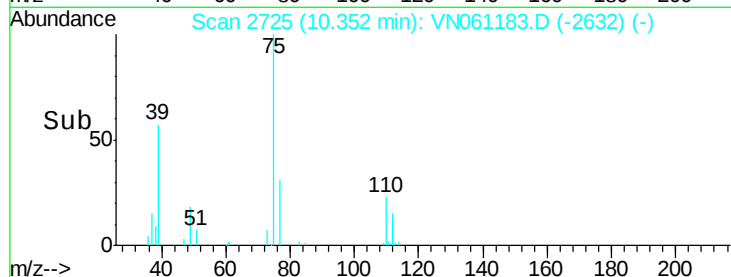
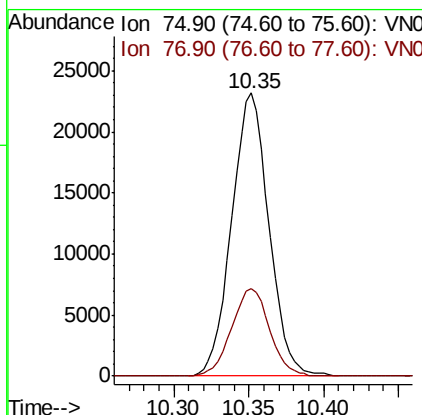
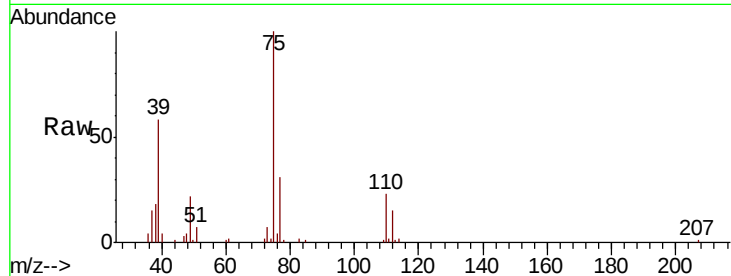




#53  
t-1,3-Dichloropropene  
Concen: 18.928 ug/l  
RT: 10.35 min Scan# 2725  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

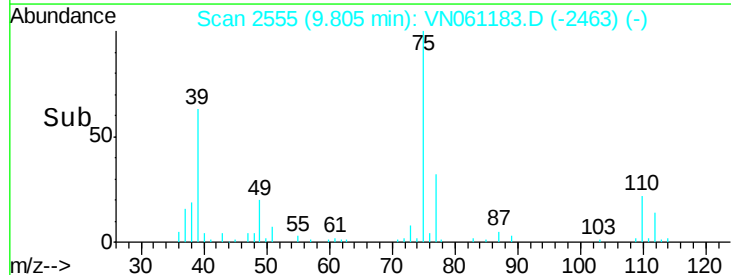
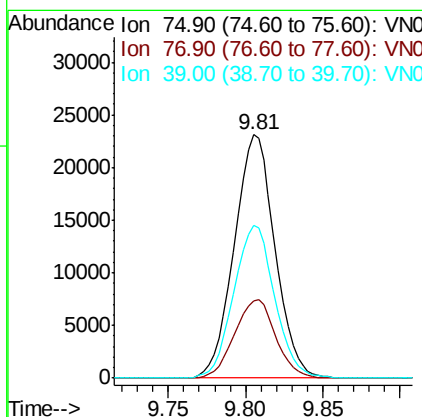
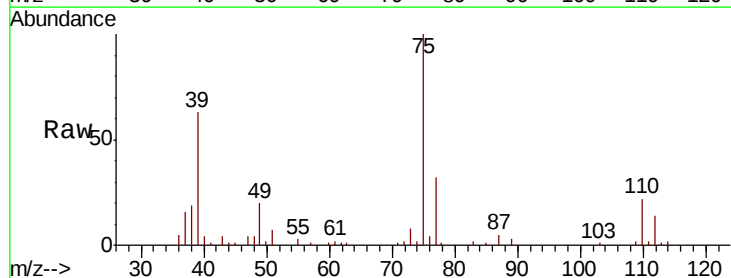
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0429WBS01

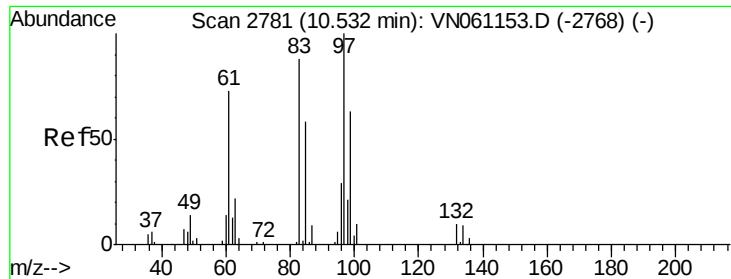
Tot Ion: 75 Resp: 40182  
Ion Ratio Lower Upper  
75 100  
77 30.8 25.5 38.3



#54  
cis-1,3-Dichloropropene  
Concen: 18.814 ug/l  
RT: 9.81 min Scan# 2555  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 75 Resp: 42225  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.0 37.4  
39 62.5 48.7 73.1





#55

1,1,2-Trichloroethane

Concen: 18.746 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

Tot Ion: 97 Resp: 23899

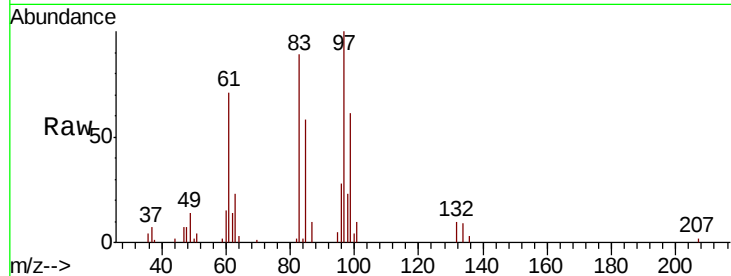
Ion Ratio Lower Upper

97 100

83 89.1 70.6 106.0

85 58.2 46.4 69.6

99 61.2 50.6 75.8

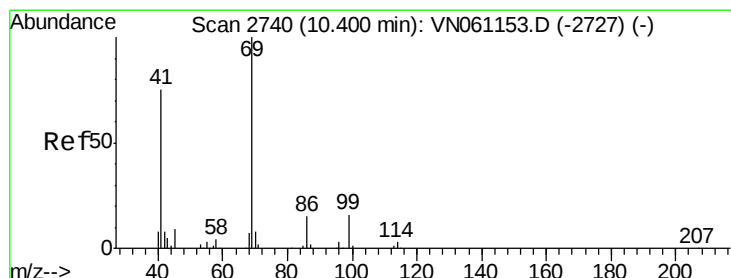
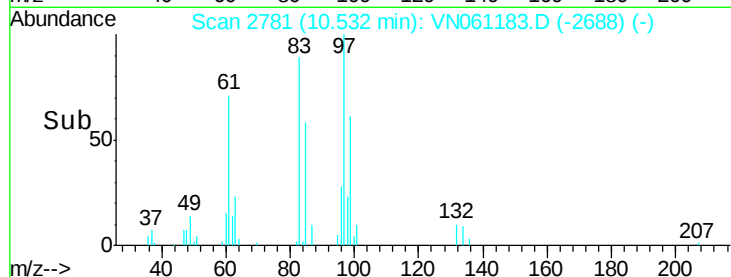
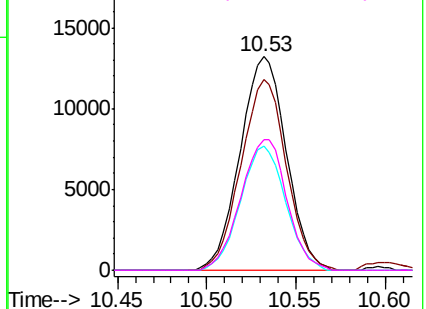


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.618 ug/l

RT: 10.40 min Scan# 2740

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

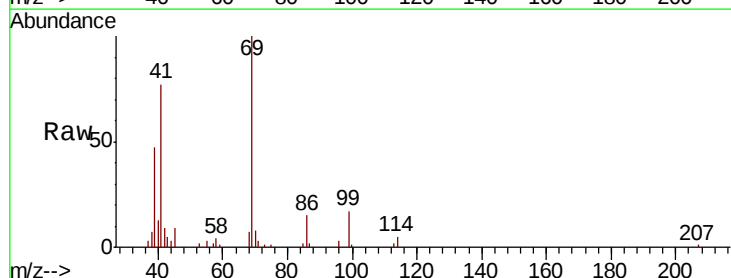
Tgt Ion: 69 Resp: 34990

Ion Ratio Lower Upper

69 100

41 77.0 60.3 90.5

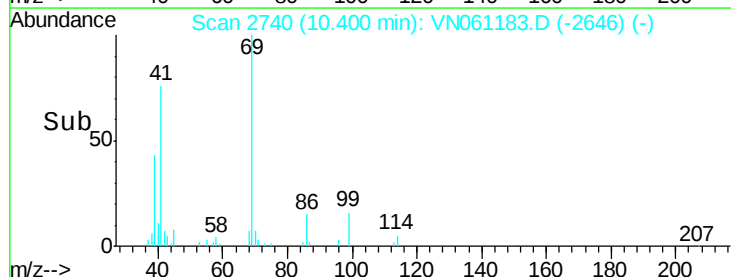
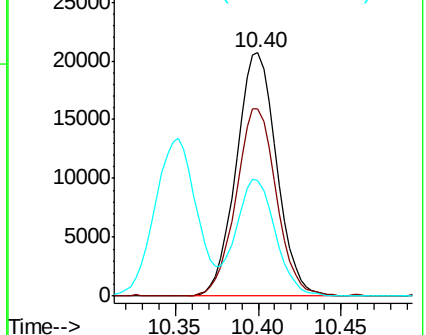
39 47.8 35.9 53.9

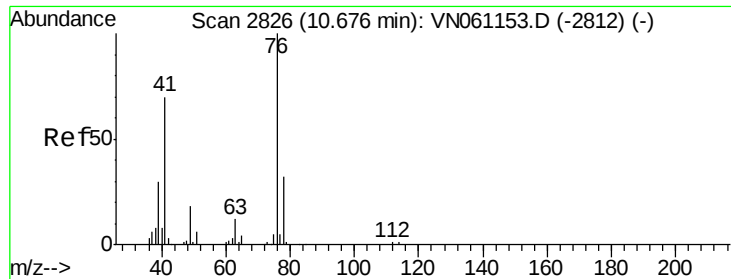


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

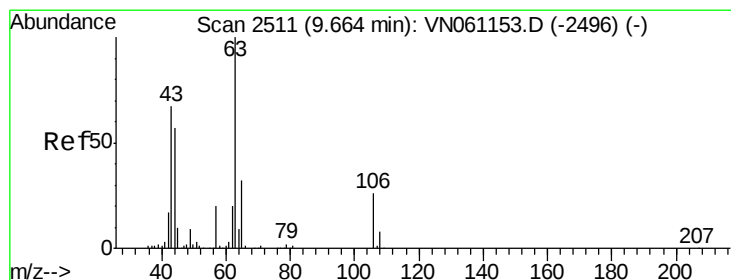
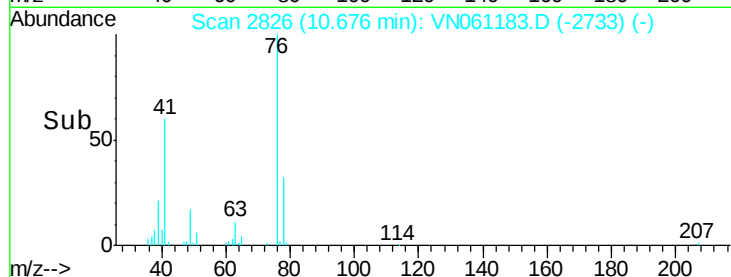
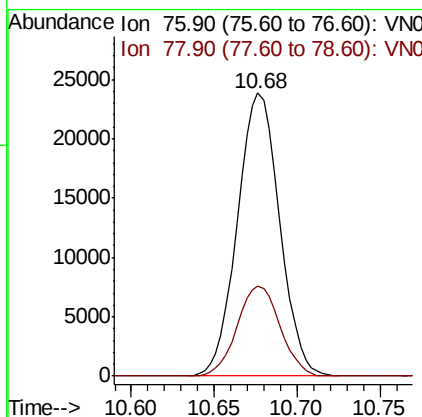
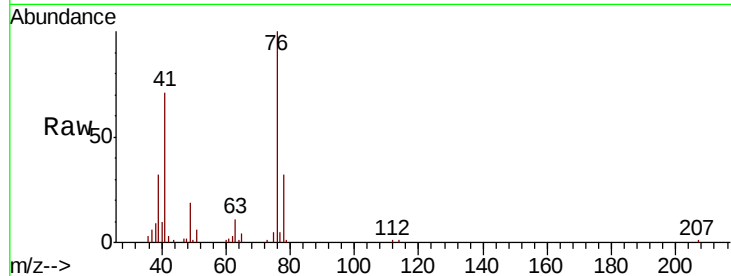




#57  
 1,3-Dichloropropane  
 Concen: 18.853 ug/l  
 RT: 10.68 min Scan# 2826  
 Delta R.T. 0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

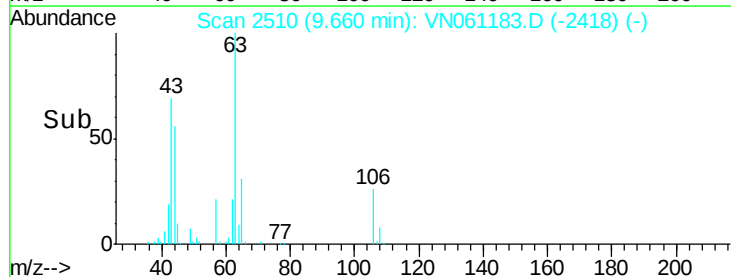
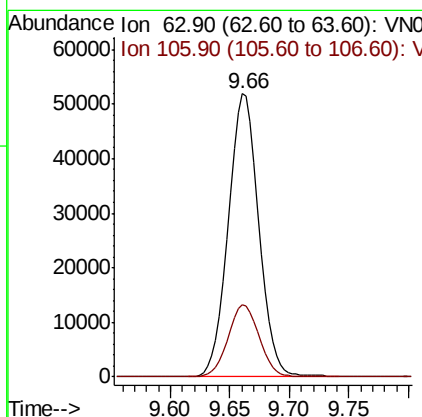
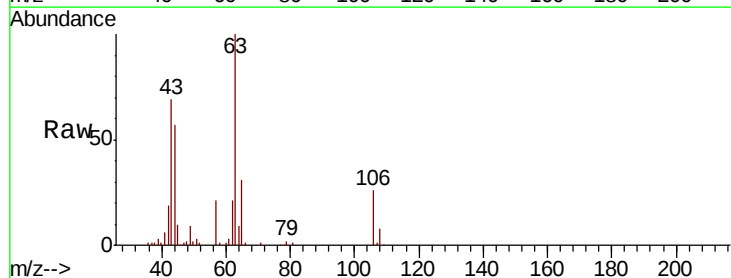
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0429WBS01

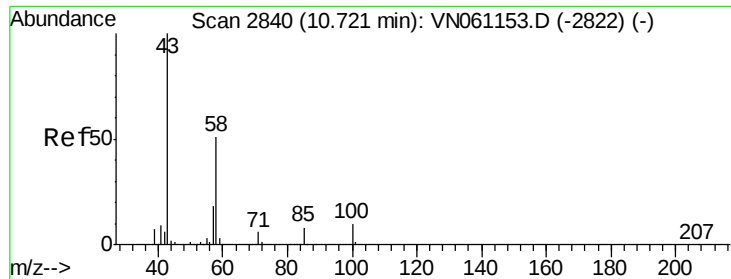
Tot Ion: 76 Resp: 42248  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.5 38.3



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 89.445 ug/l  
 RT: 9.66 min Scan# 2510  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion: 63 Resp: 92303  
 Ion Ratio Lower Upper  
 63 100  
 106 25.9 20.6 30.8

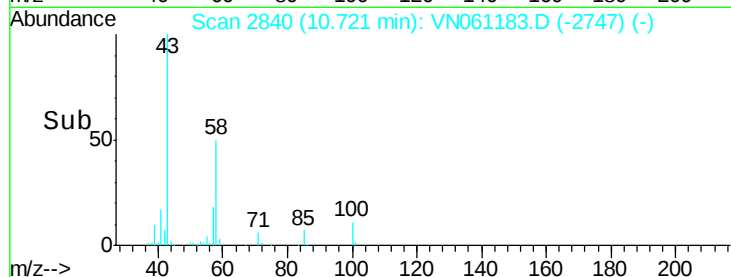
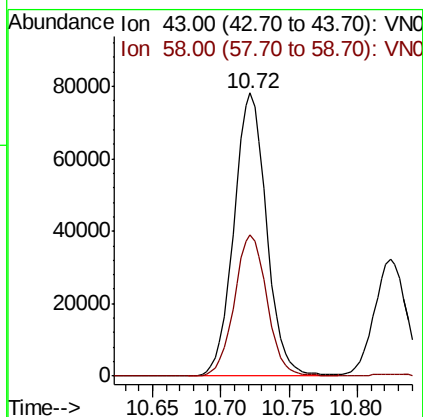
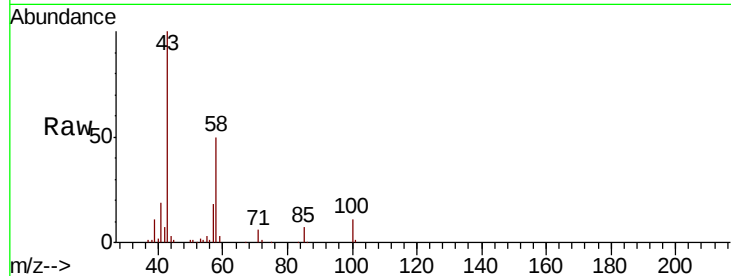




#59  
2-Hexanone  
Concen: 87.459 ug/l  
RT: 10.72 min Scan# 2840  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

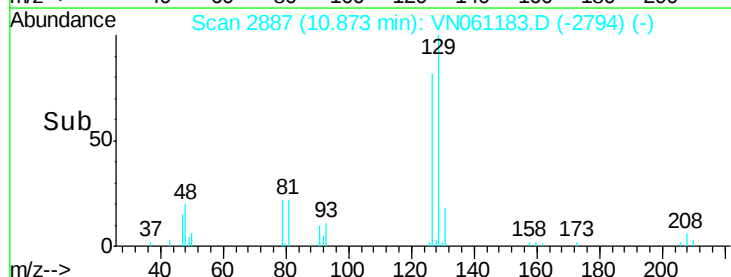
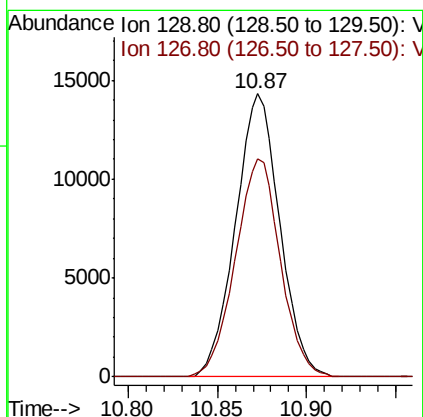
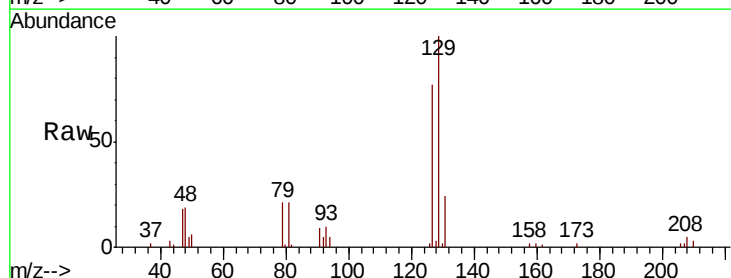
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

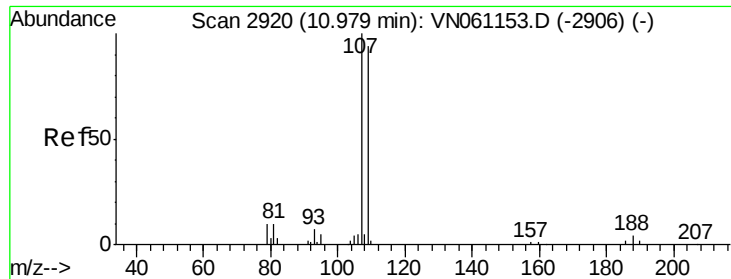
Tot Ion: 43 Resp: 129789  
Ion Ratio Lower Upper  
43 100  
58 49.9 25.4 76.4



#60  
Dibromochloromethane  
Concen: 18.570 ug/l  
RT: 10.87 min Scan# 2887  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 129 Resp: 24795  
Ion Ratio Lower Upper  
129 100  
127 78.2 39.3 117.8

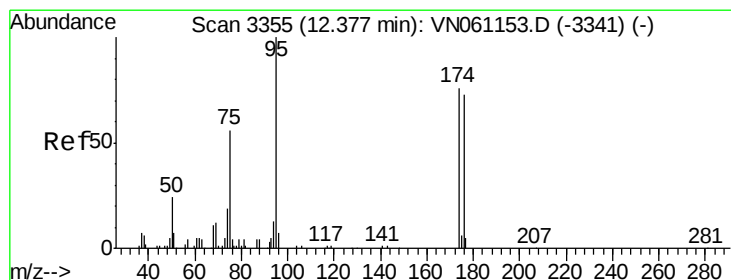
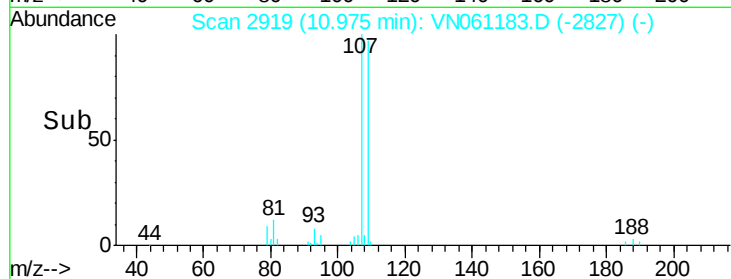
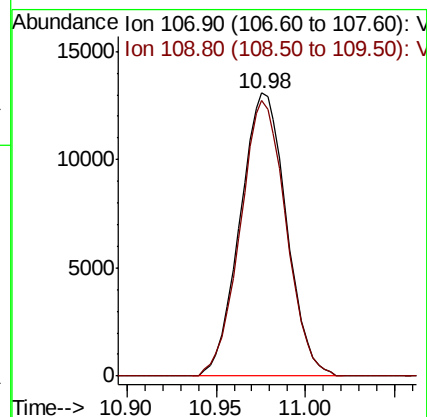
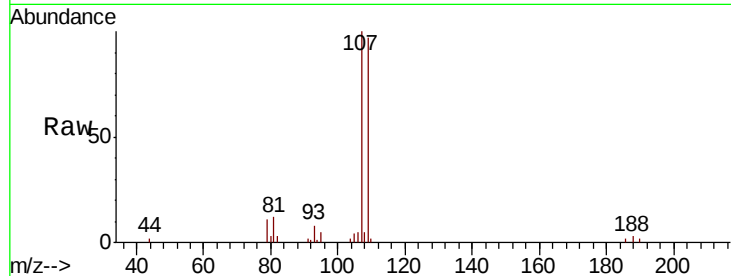




#61  
 1,2-Dibromoethane  
 Concen: 18.502 ug/l  
 RT: 10.98 min Scan# 2919  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

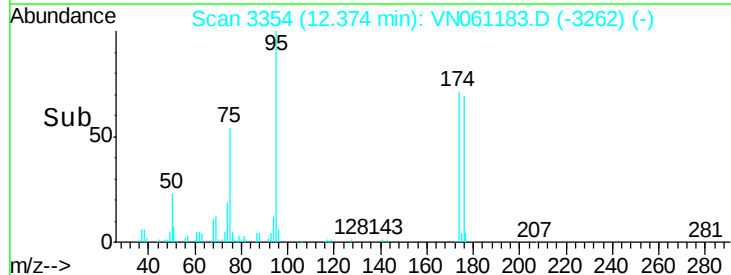
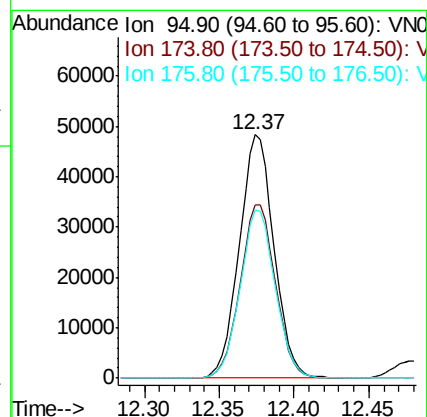
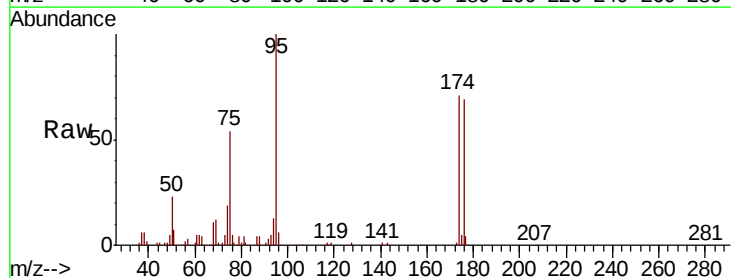
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0429WBS01

Tot Ion:107 Resp: 23642  
 Ion Ratio Lower Upper  
 107 100  
 109 95.9 74.8 112.2



#62  
 4-Bromofluorobenzene  
 Concen: 48.293 ug/l  
 RT: 12.37 min Scan# 3354  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion: 95 Resp: 77947  
 Ion Ratio Lower Upper  
 95 100  
 174 72.3 0.0 149.4  
 176 69.9 0.0 144.8

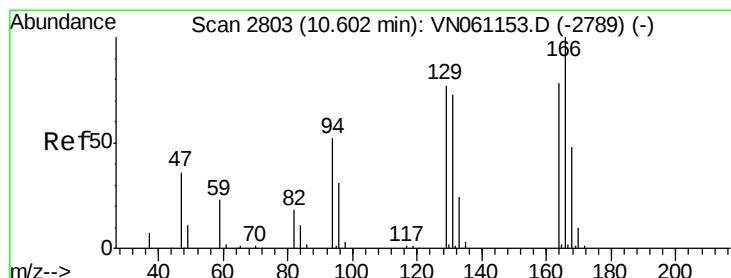
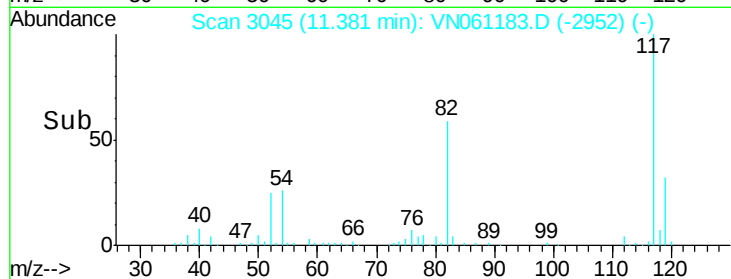
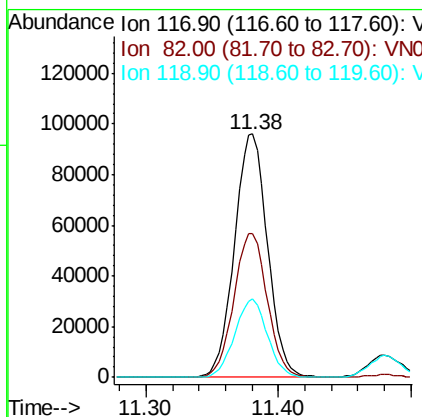
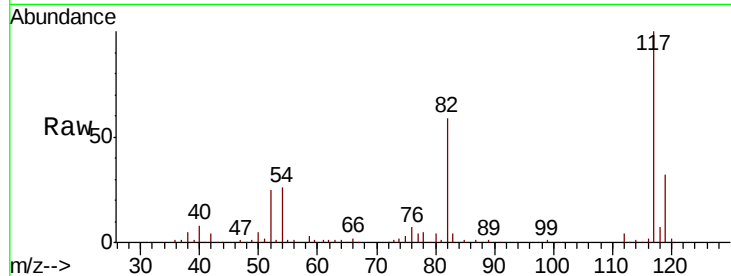




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 3045  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

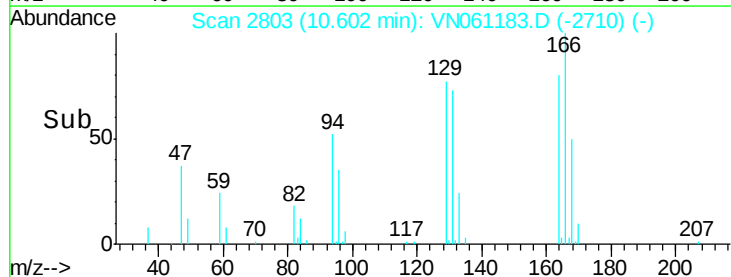
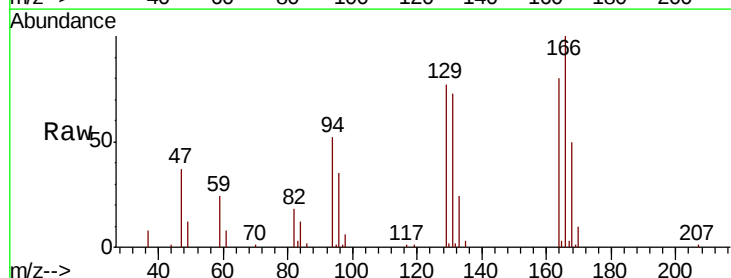
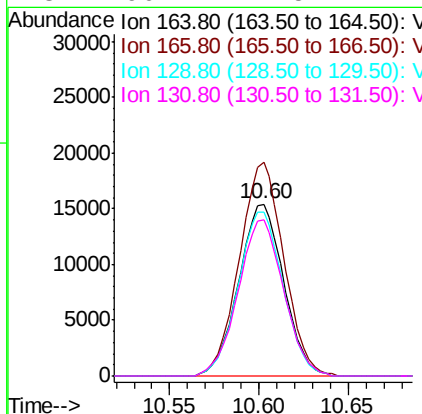
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

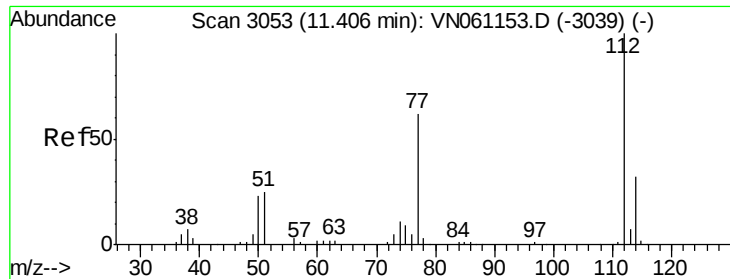
Tot Ion:117 Resp: 165982  
Ion Ratio Lower Upper  
117 100  
82 59.1 47.8 71.8  
119 32.1 25.8 38.6



#64  
Tetrachloroethene  
Concen: 18.859 ug/l  
RT: 10.60 min Scan# 2803  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion:164 Resp: 27111  
Ion Ratio Lower Upper  
164 100  
166 124.4 102.0 153.0  
129 95.5 78.2 117.2  
131 90.7 74.5 111.7





#65

Chlorobenzene

Concen: 18.754 ug/l

RT: 11.40 min Scan# 3052

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

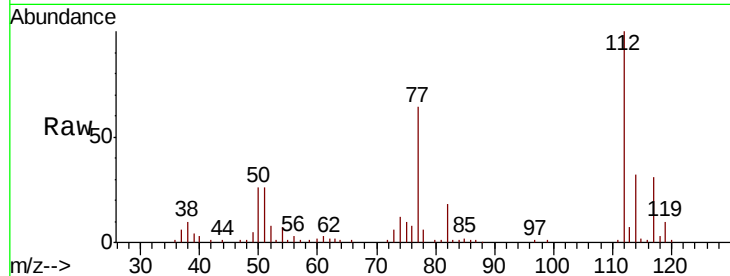
VN0429WBS01

Tot Ion:112 Resp: 61749

Ion Ratio Lower Upper

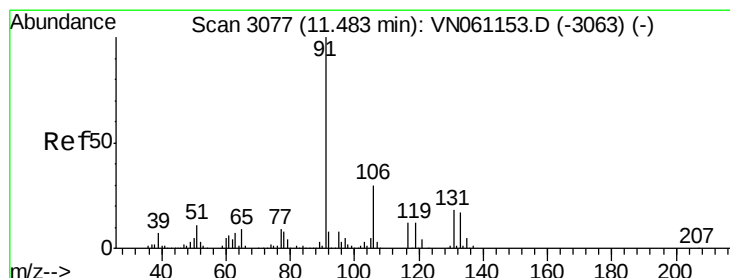
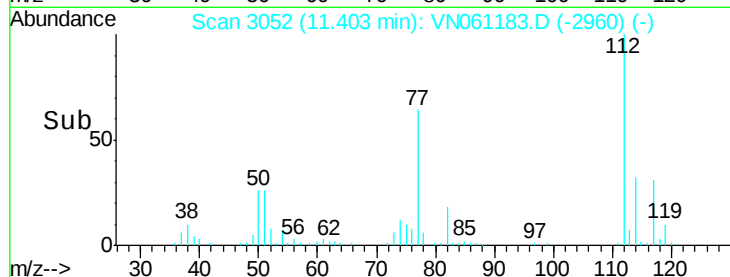
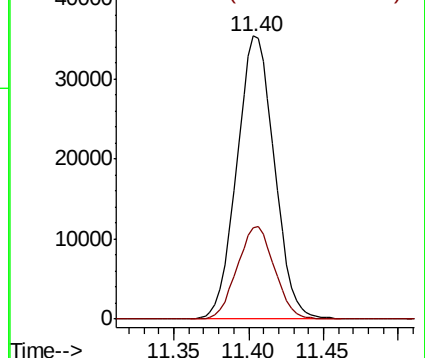
112 100

114 32.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.232 ug/l

RT: 11.48 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

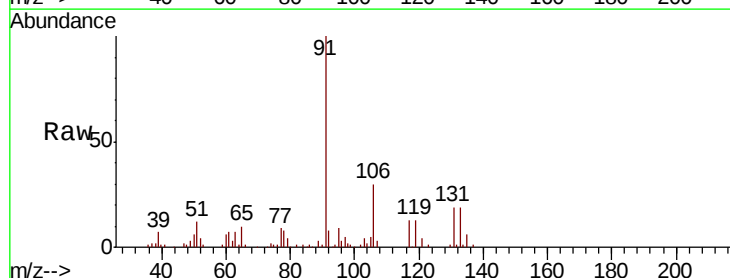
Tgt Ion:131 Resp: 22664

Ion Ratio Lower Upper

131 100

133 97.1 48.0 144.2

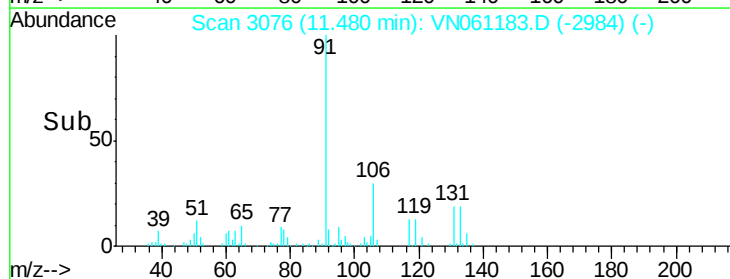
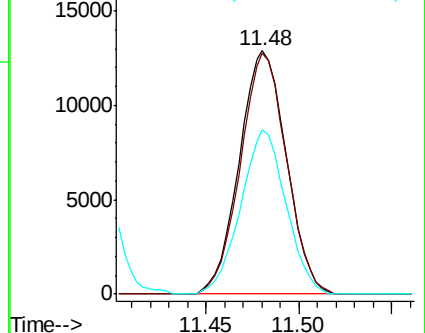
119 64.9 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

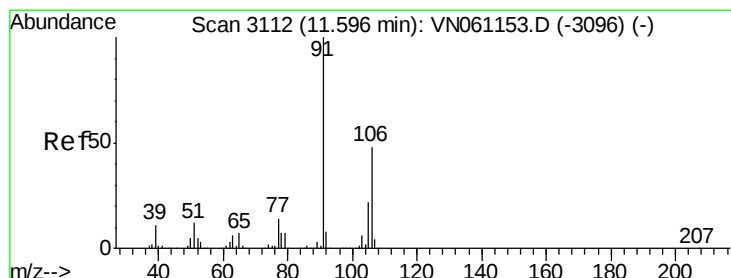
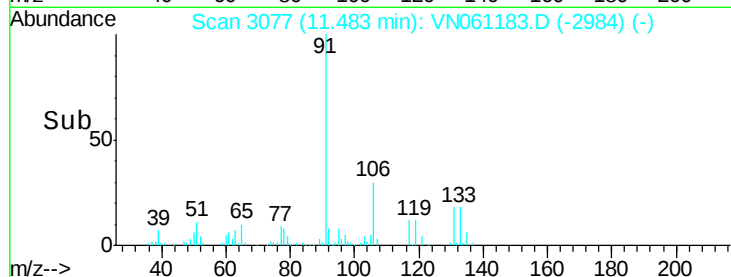
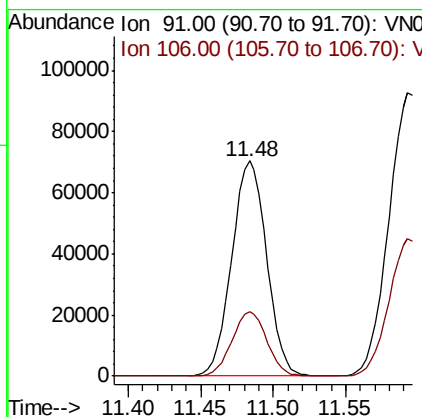
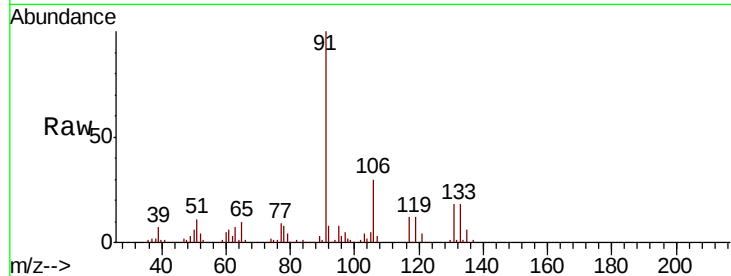




#67  
Ethyl Benzene  
Concen: 19.124 ug/l  
RT: 11.48 min Scan# 3077  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

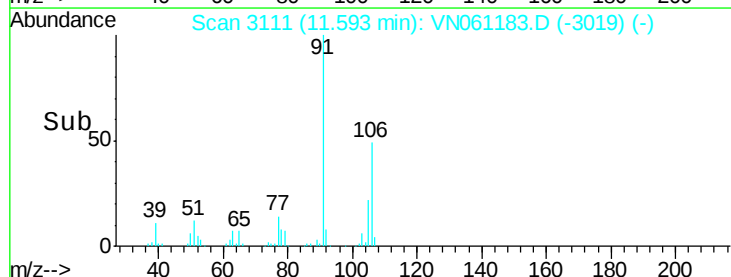
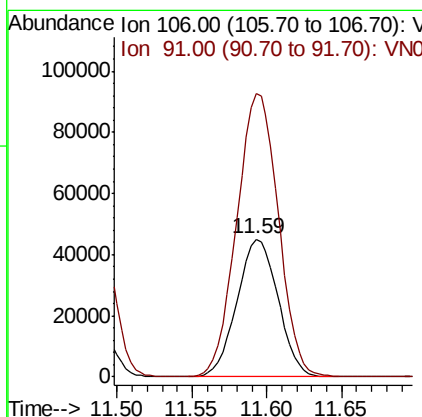
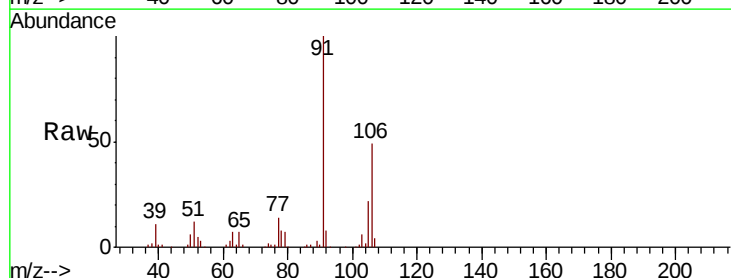
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0429WBS01

Tot Ion: 91 Resp: 117875  
Ion Ratio Lower Upper  
91 100  
106 30.0 23.8 35.6



#68  
m/p-Xylenes  
Concen: 38.201 ug/l  
RT: 11.59 min Scan# 3111  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 106 Resp: 86184  
Ion Ratio Lower Upper  
106 100  
91 208.4 166.4 249.6

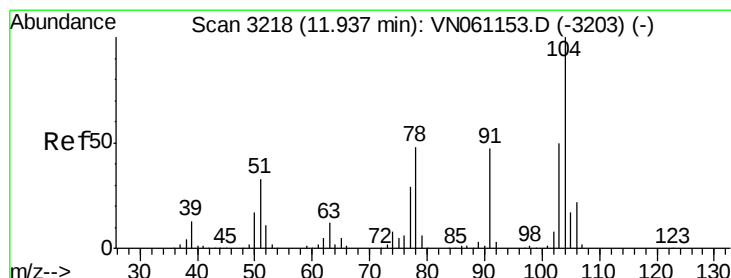
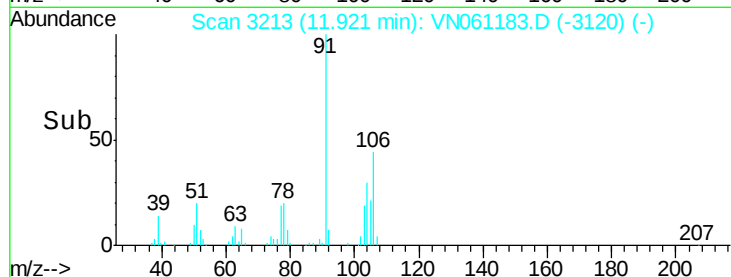
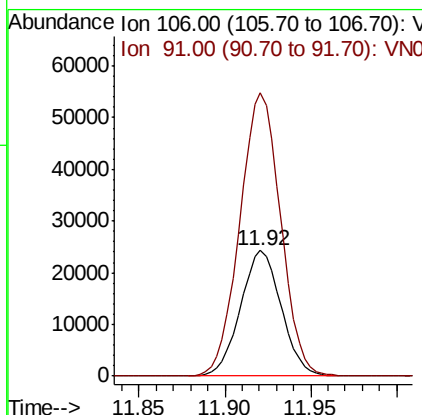
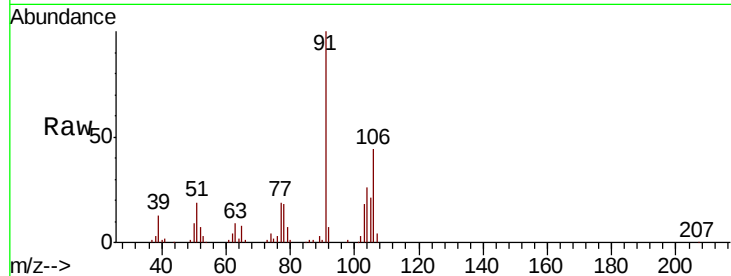




#69  
o-Xylene  
Concen: 18.425 ug/l  
RT: 11.92 min Scan# 3213  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

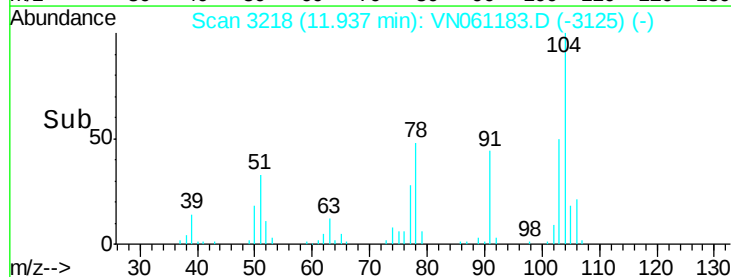
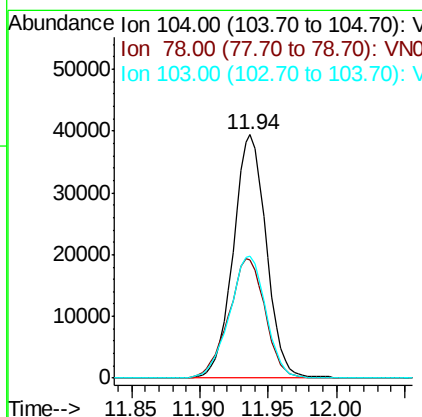
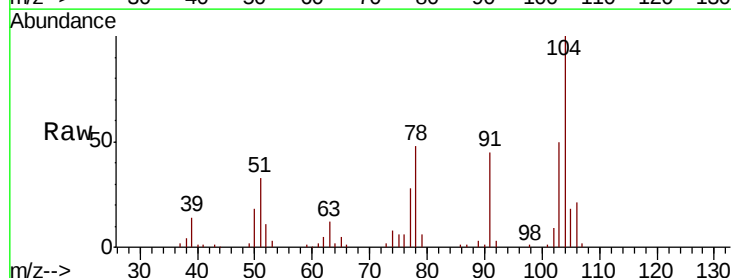
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0429WBS01

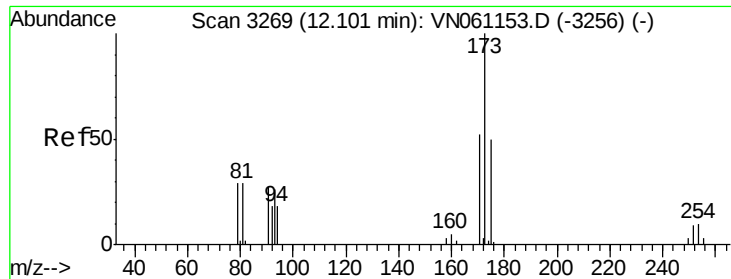
Tot Ion:106 Resp: 39928  
Ion Ratio Lower Upper  
106 100  
91 225.7 109.7 329.0



#70  
Styrene  
Concen: 18.256 ug/l  
RT: 11.94 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion:104 Resp: 66214  
Ion Ratio Lower Upper  
104 100  
78 54.1 42.1 63.1  
103 54.9 43.3 64.9





#71

Bromoform

Concen: 18.529 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

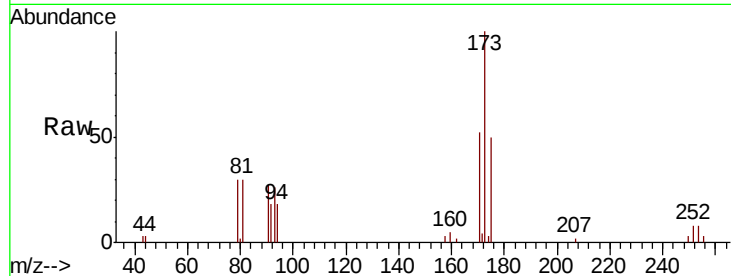
Tot Ion:173 Resp: 16048

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.4

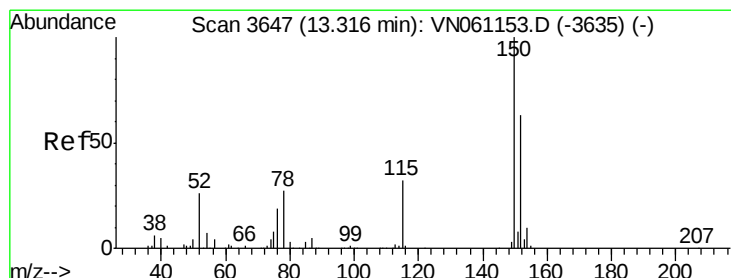
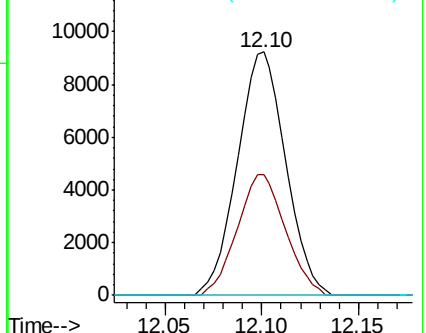
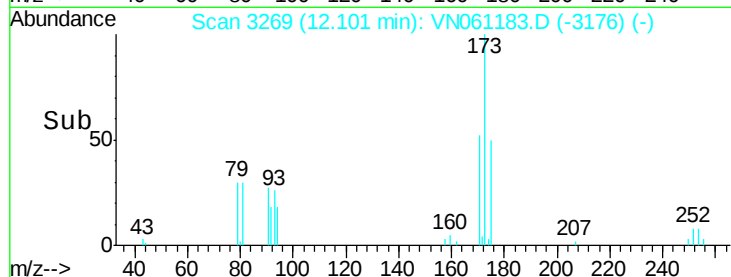
254 0.0 0.0 0.0



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: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

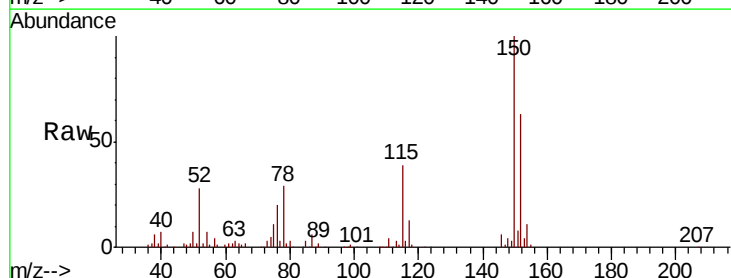
Tgt Ion:152 Resp: 78715

Ion Ratio Lower Upper

152 100

115 62.1 31.0 93.0

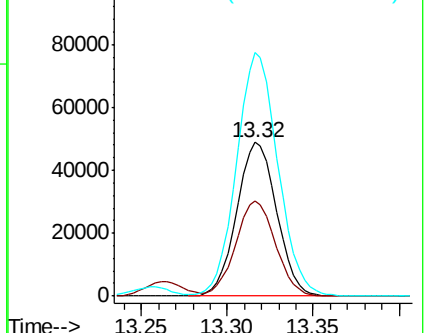
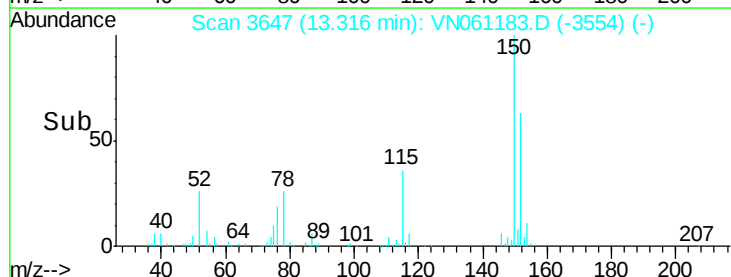
150 164.6 0.0 351.8

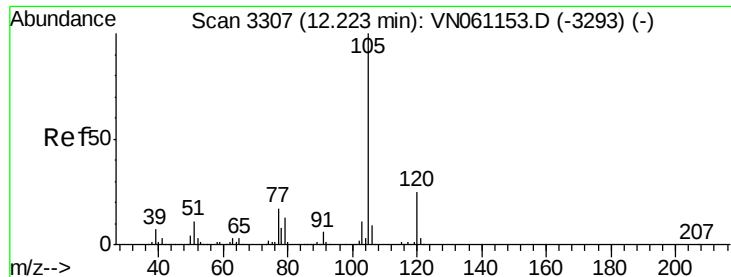


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.015 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

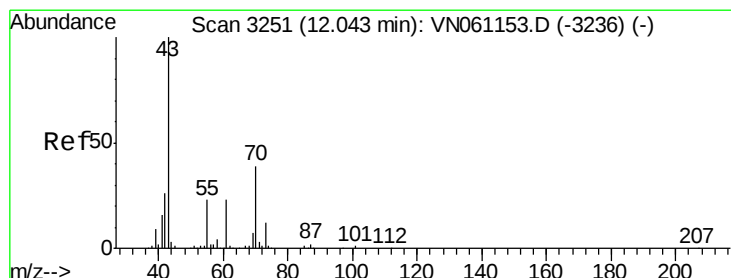
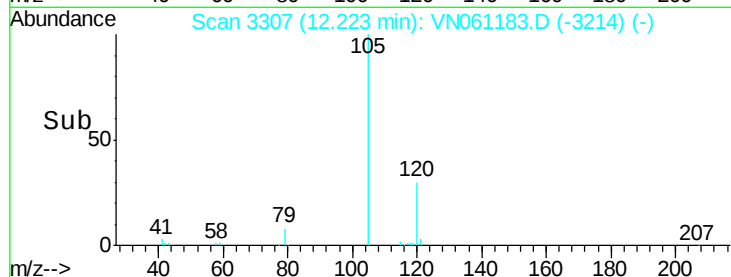
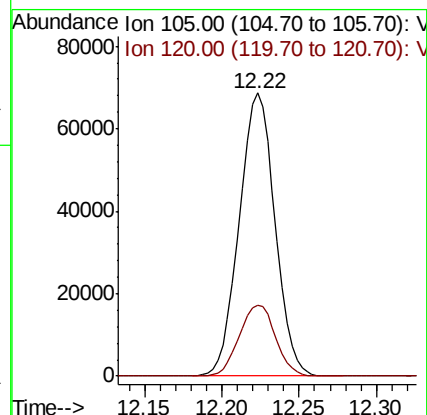
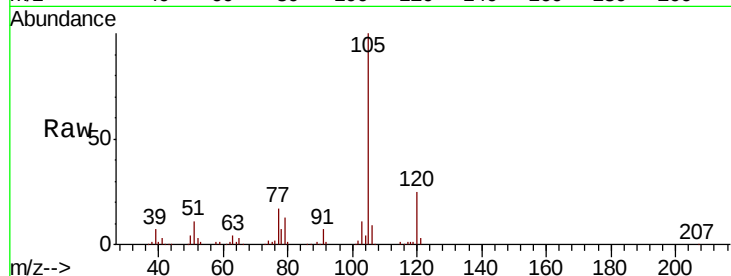
VN0429WBS01

Tot Ion:105 Resp: 110033

Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.8



#74

N-ethyl acetate

Concen: 17.475 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Tgt Ion: 43 Resp: 51207

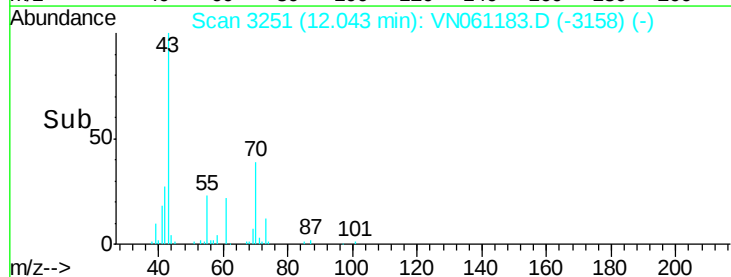
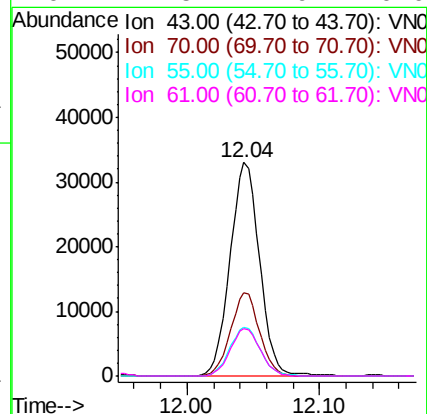
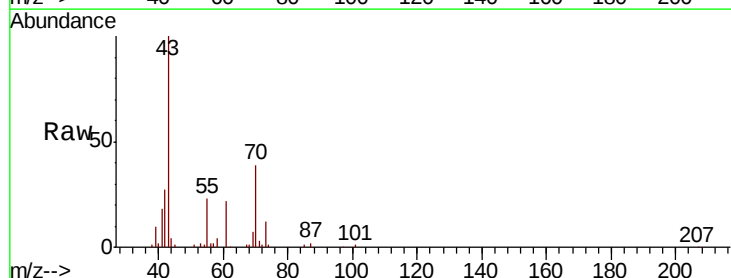
Ion Ratio Lower Upper

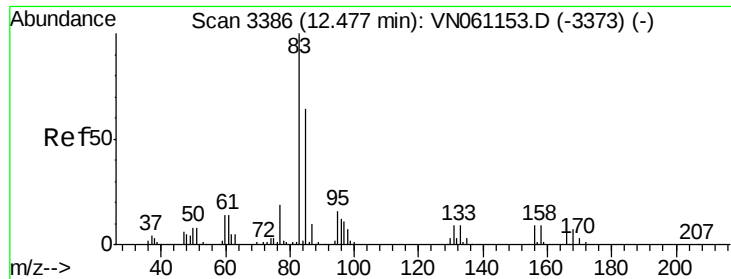
43 100

70 38.2 30.6 46.0

55 23.4 18.5 27.7

61 22.5 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.031 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampled :

VN0429WBS01

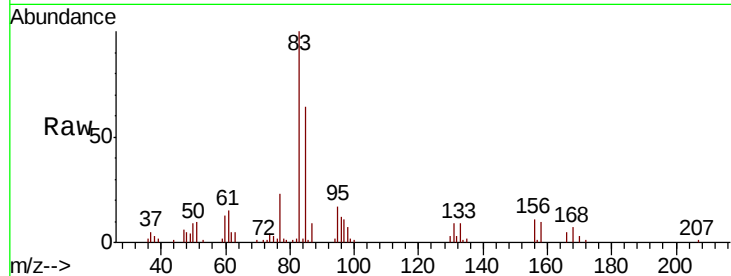
Tot Ion: 83 Resp: 34339

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 62.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

25000

20000

15000

10000

5000

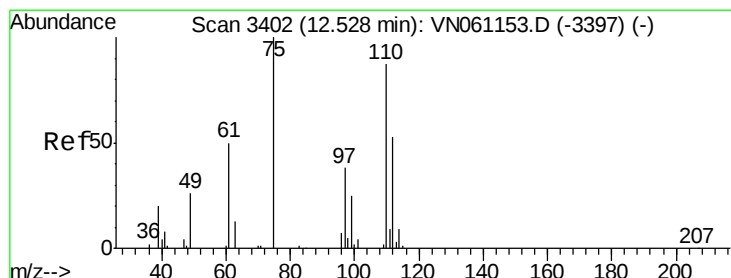
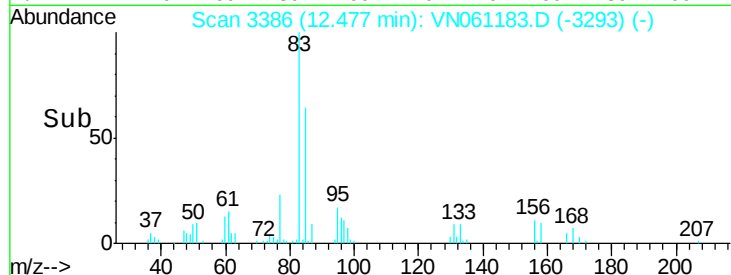
0

12.48

12.45

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.693 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061183.D

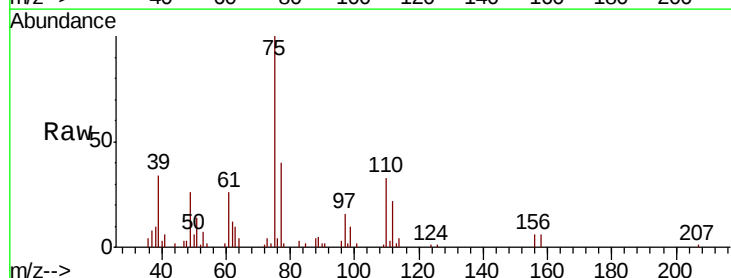
Acq: 29 Apr 2020 11:18

Tgt Ion: 75 Resp: 45958

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

30000

20000

10000

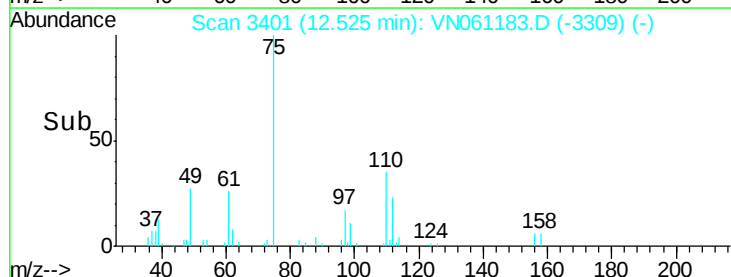
0

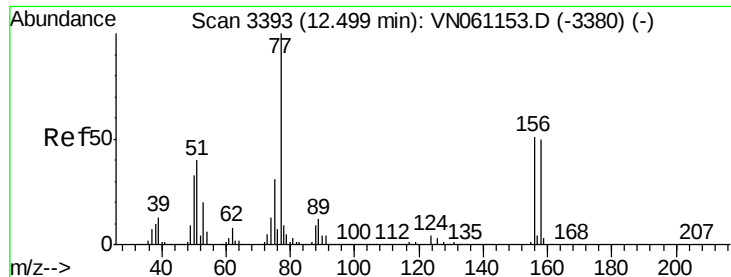
12.53

12.50

12.60

Time-->





#77

Bromobenzene

Concen: 19.279 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

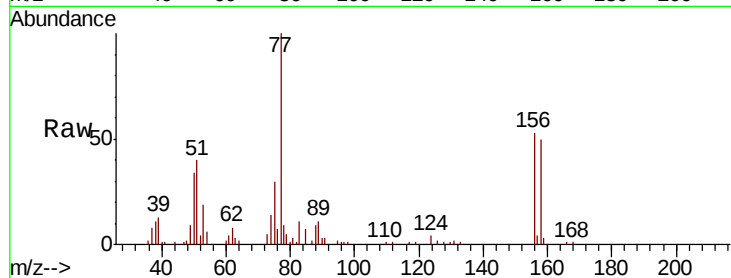
Tot Ion:156 Resp: 25754

Ion Ratio Lower Upper

156 100

77 232.7 117.4 352.2

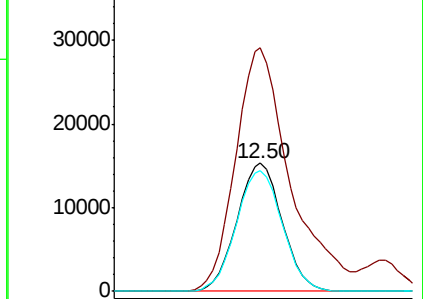
158 96.5 48.4 145.0



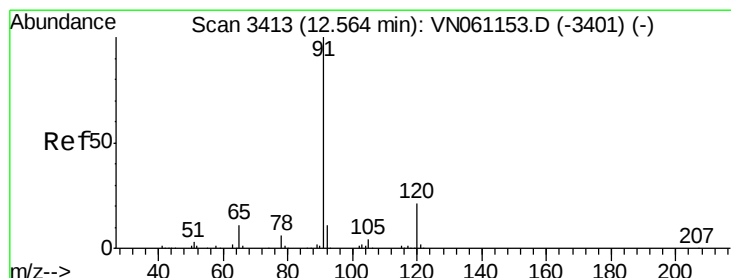
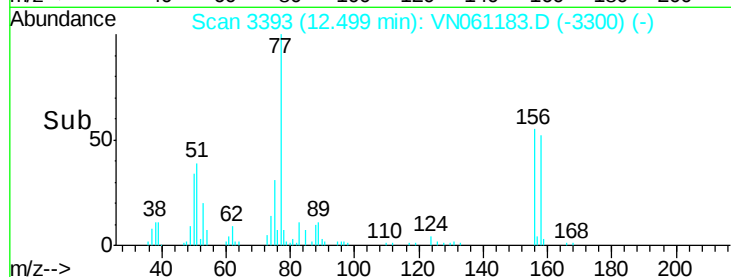
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.355 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061183.D

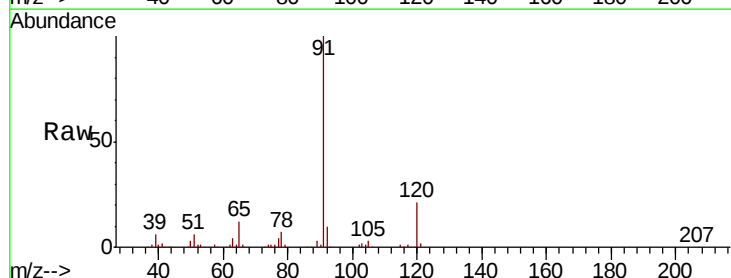
Acq: 29 Apr 2020 11:18

Tgt Ion: 91 Resp: 132850

Ion Ratio Lower Upper

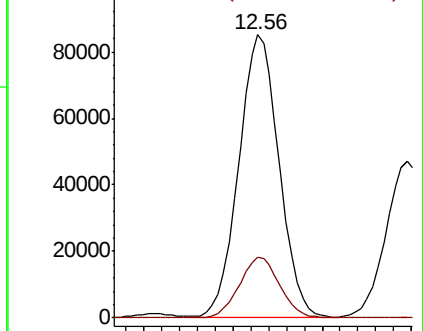
91 100

120 21.5 10.8 32.3

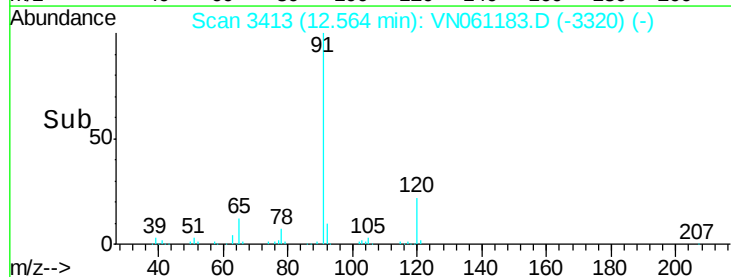


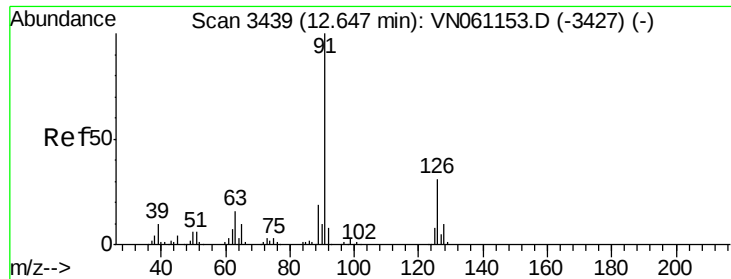
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->

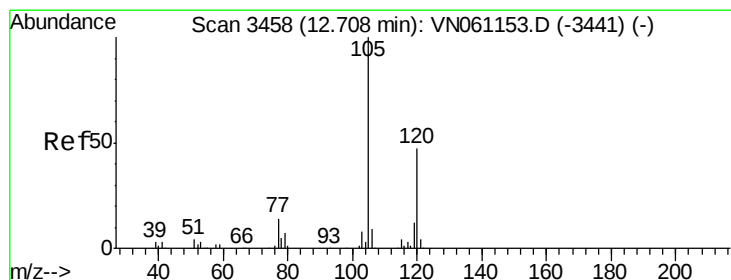
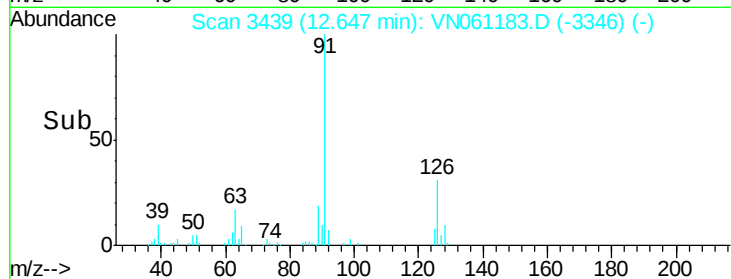
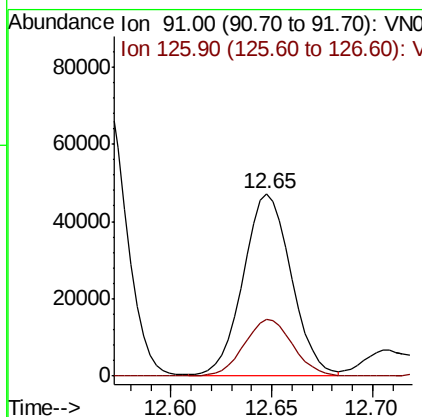
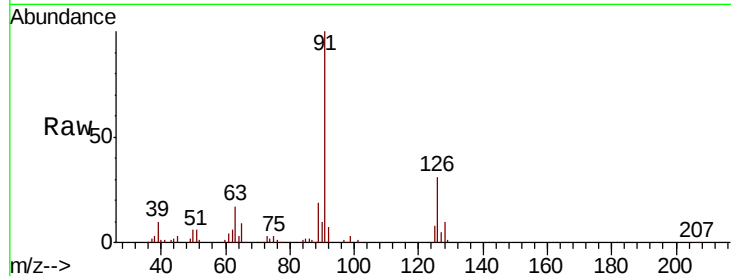




#79  
 2-Chlorotoluene  
 Concen: 19.400 ug/l  
 RT: 12.65 min Scan# 3439  
 Delta R.T. 0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

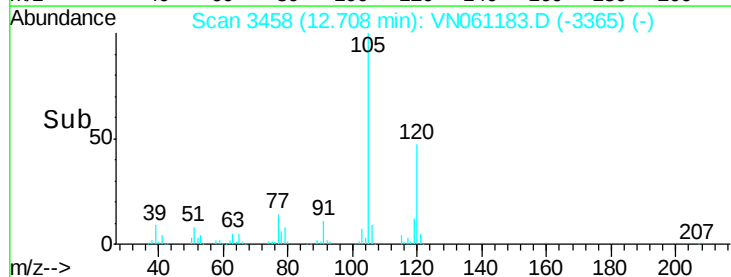
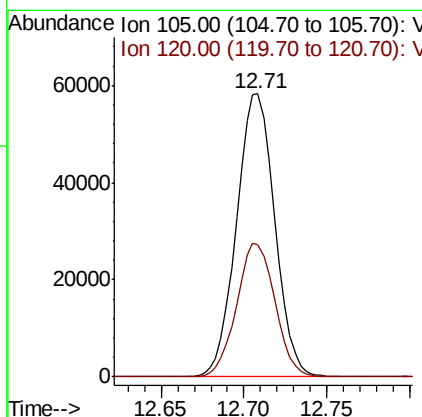
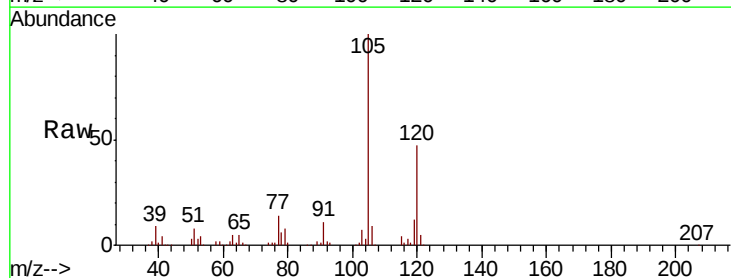
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0429WBS01

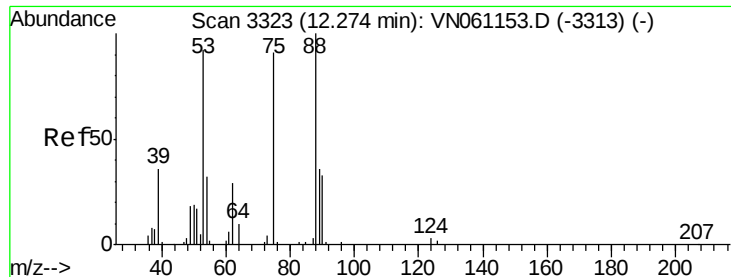
Tot Ion: 91 Resp: 78265  
 Ion Ratio Lower Upper  
 91 100  
 126 31.7 15.9 47.7



#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.505 ug/l  
 RT: 12.71 min Scan# 3458  
 Delta R.T. 0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion: 105 Resp: 93418  
 Ion Ratio Lower Upper  
 105 100  
 120 47.3 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.019 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

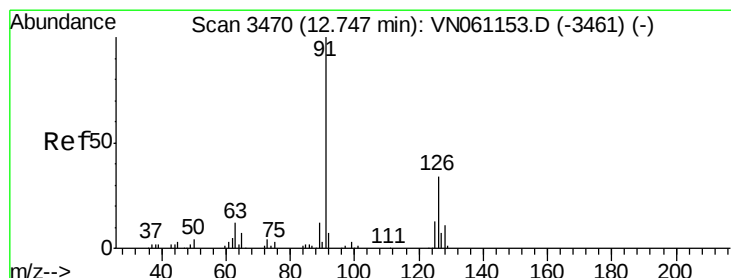
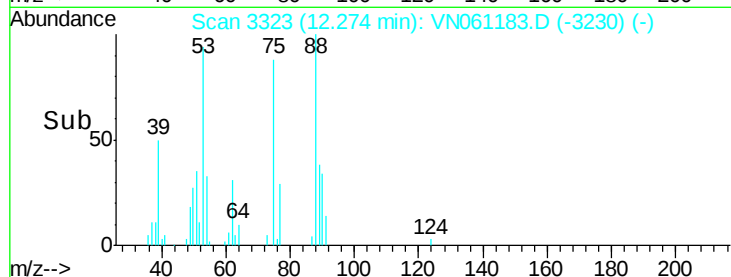
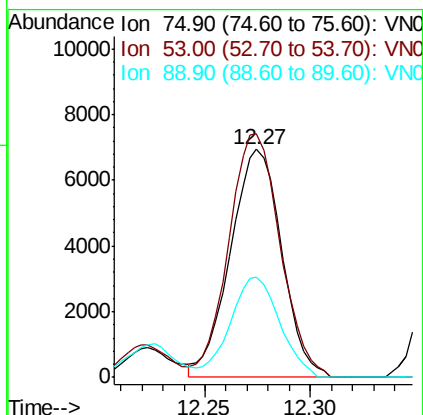
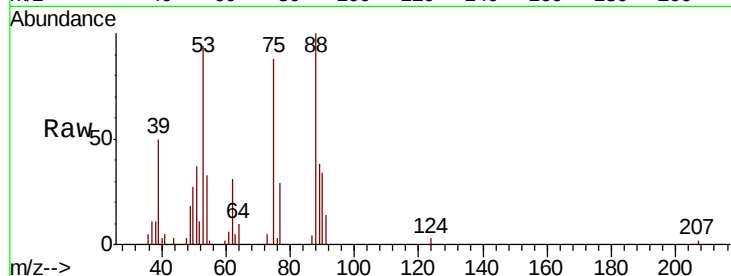
Tot Ion: 75 Resp: 11775

Ion Ratio Lower Upper

75 100

53 107.0 84.1 126.1

89 42.3 35.2 52.8



#82

4-Chlorotoluene

Concen: 19.105 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061183.D

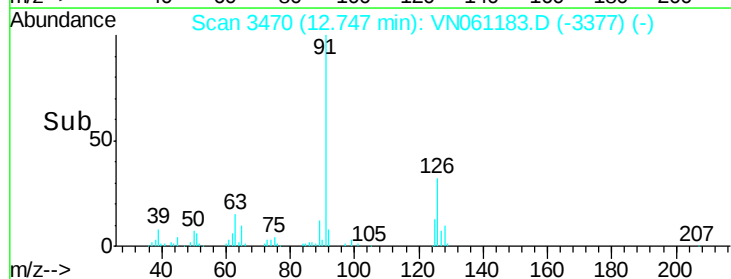
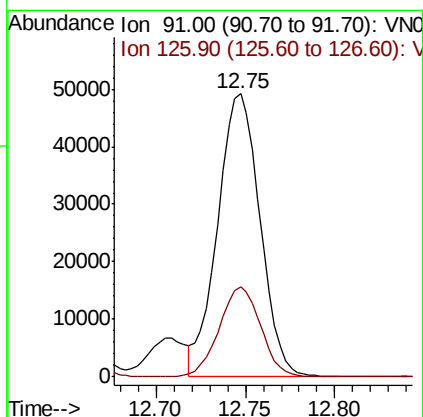
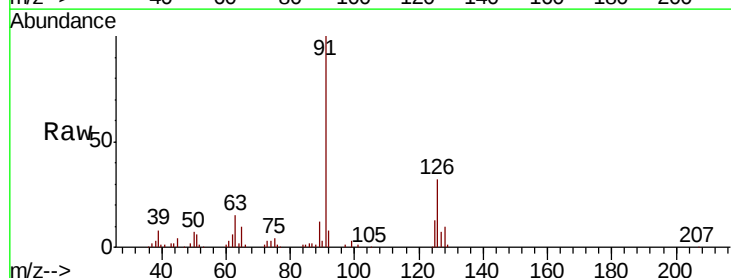
Acq: 29 Apr 2020 11:18

Tgt Ion: 91 Resp: 81235

Ion Ratio Lower Upper

91 100

126 30.9 15.7 47.1

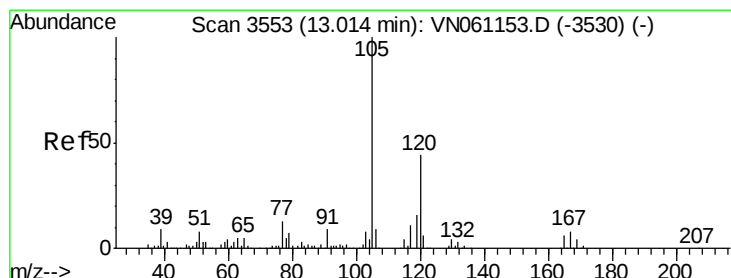
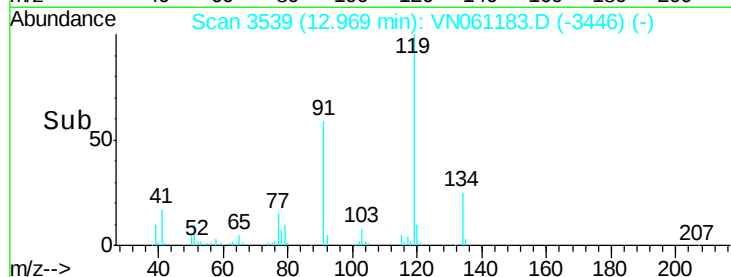
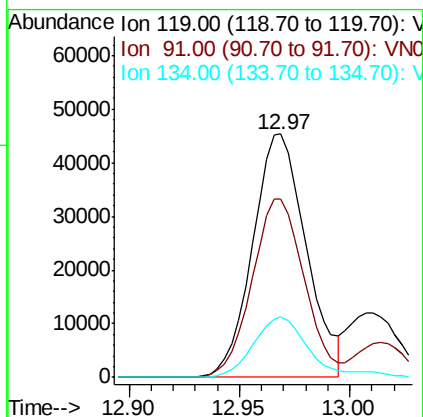
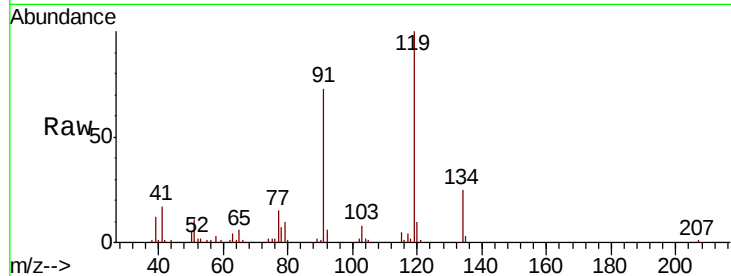




#83  
 tert-Butylbenzene  
 Concen: 18.938 ug/l  
 RT: 12.97 min Scan# 3539  
 Delta R.T. 0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

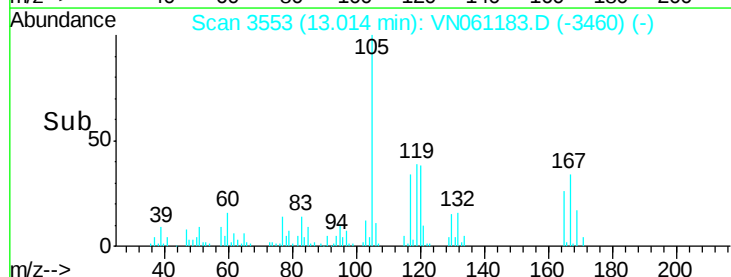
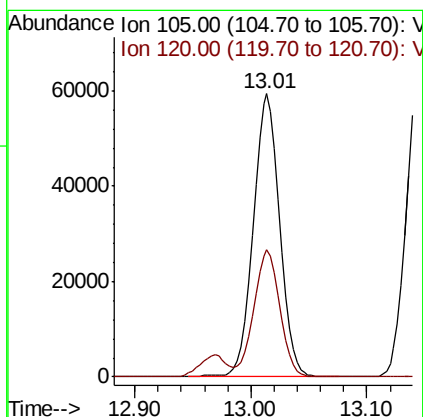
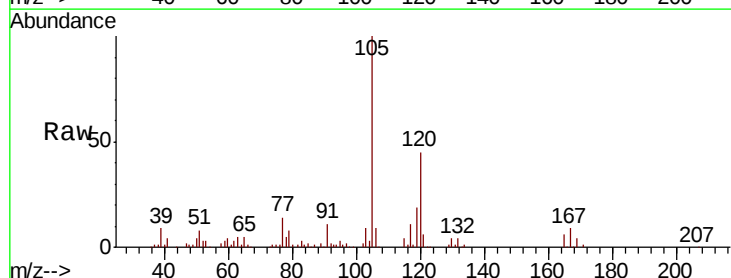
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0429WBS01

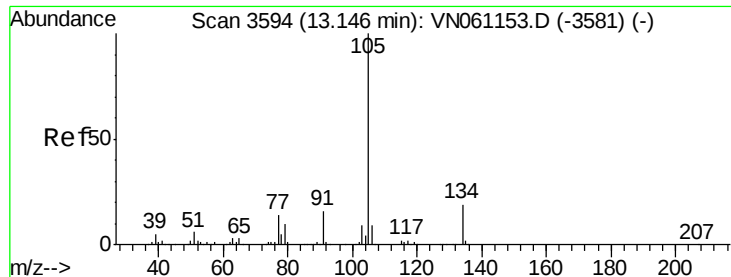
Tot Ion:119 Resp: 76481  
 Ion Ratio Lower Upper  
 119 100  
 91 71.1 34.8 104.4  
 134 26.0 12.9 38.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.147 ug/l  
 RT: 13.01 min Scan# 3553  
 Delta R.T. 0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion:105 Resp: 94480  
 Ion Ratio Lower Upper  
 105 100  
 120 44.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.448 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

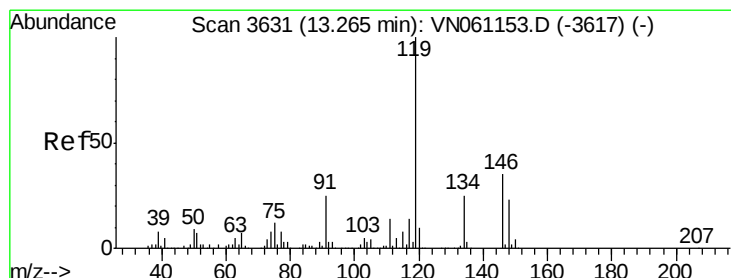
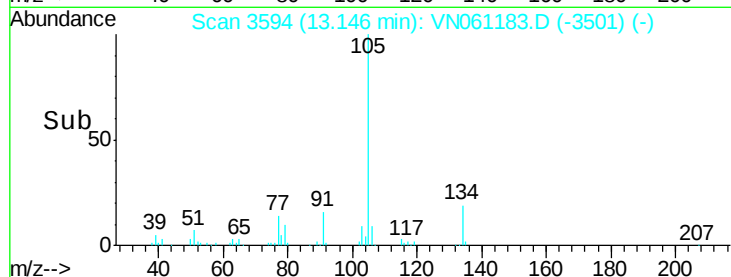
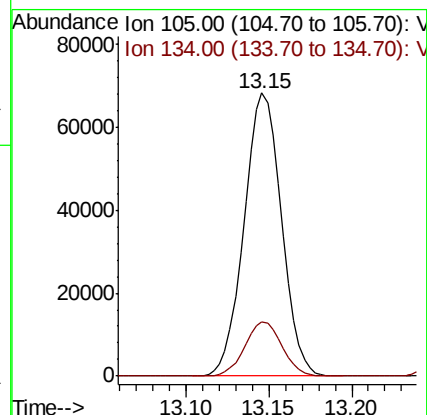
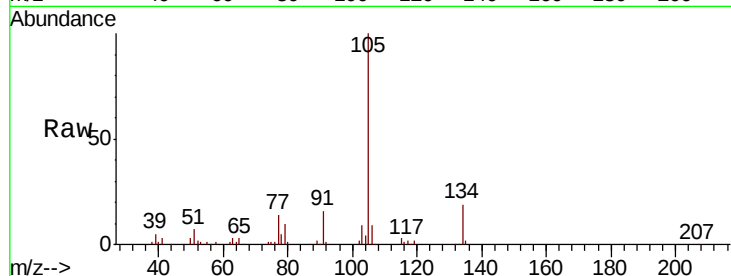
VN0429WBS01

Tot Ion:105 Resp: 107079

Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8



#86

p-Isopropyltoluene

Concen: 19.244 ug/l

RT: 13.26 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

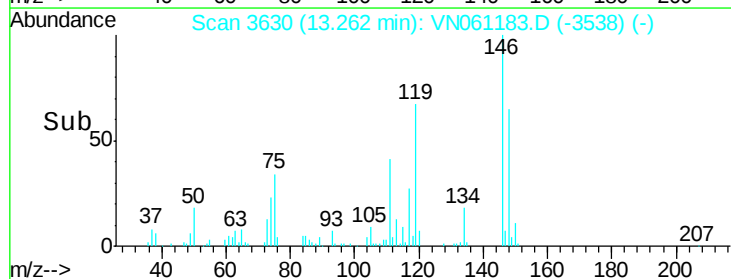
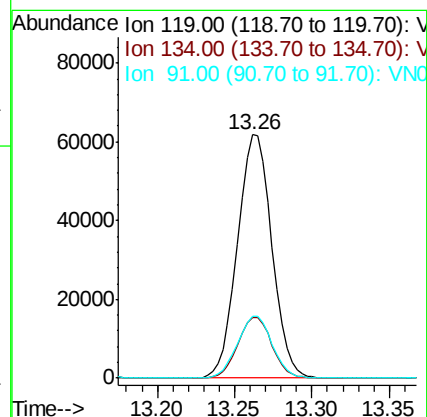
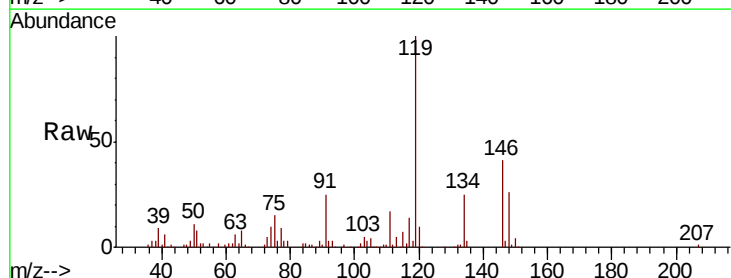
Tgt Ion:119 Resp: 95468

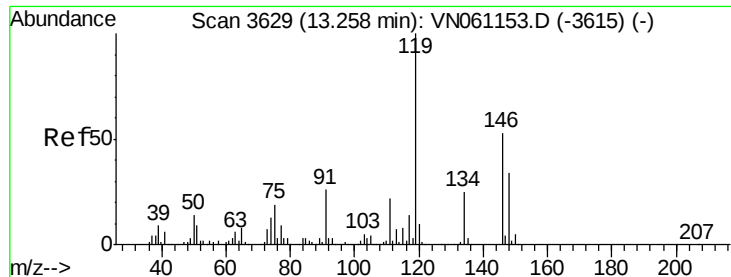
Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.6

91 25.7 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 18.739 ug/l

RT: 13.26 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampleId :

VN0429WBS01

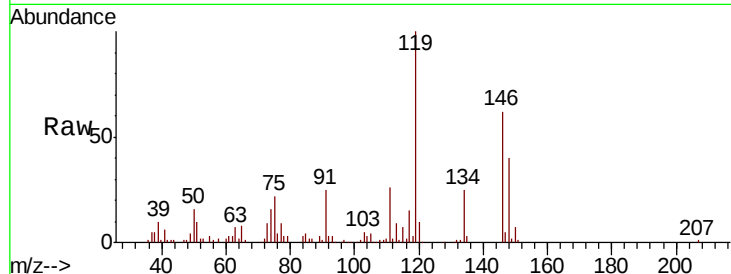
Tot Ion:146 Resp: 46083

Ion Ratio Lower Upper

146 100

111 42.4 20.7 62.1

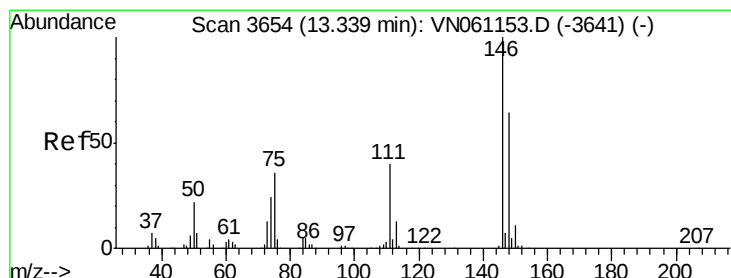
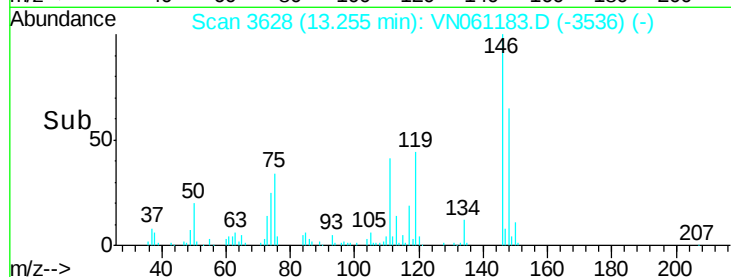
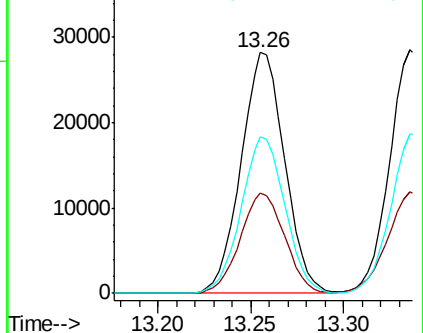
148 65.1 31.8 95.3



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: 18.461 ug/l

RT: 13.34 min Scan# 3653

Delta R.T. -0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

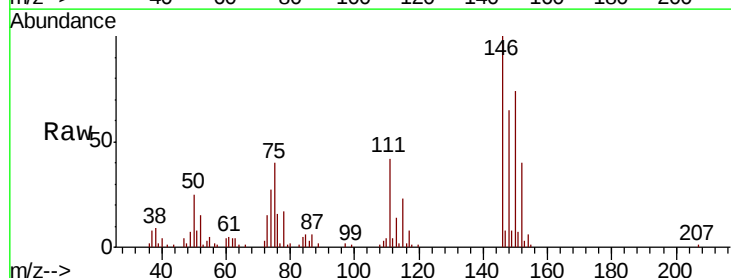
Tgt Ion:146 Resp: 46385

Ion Ratio Lower Upper

146 100

111 43.4 20.4 61.3

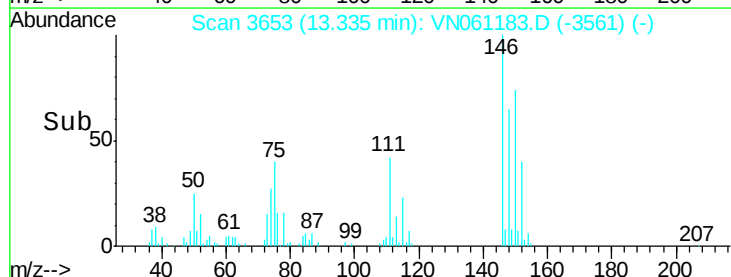
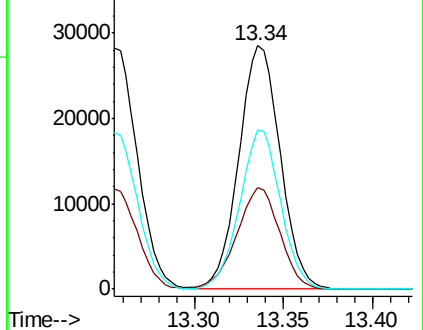
148 64.5 31.9 95.7

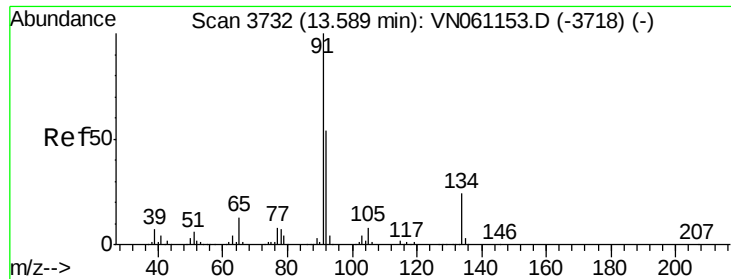


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

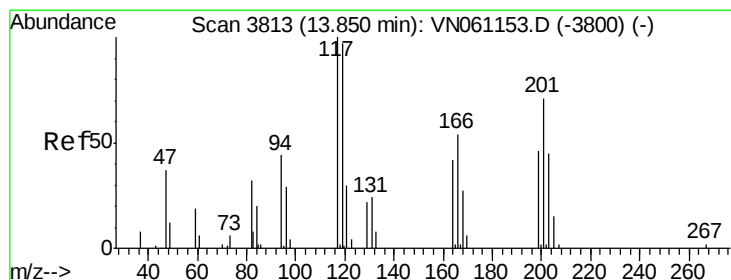
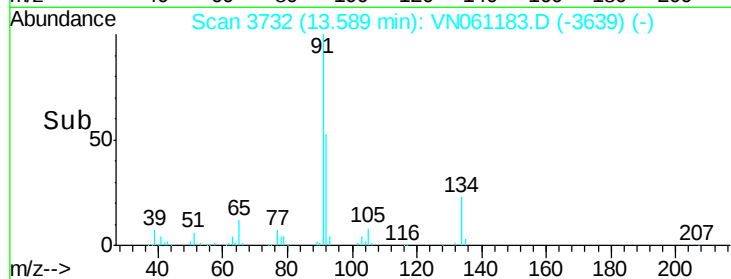
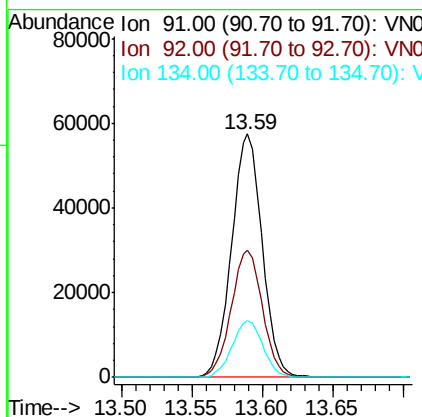
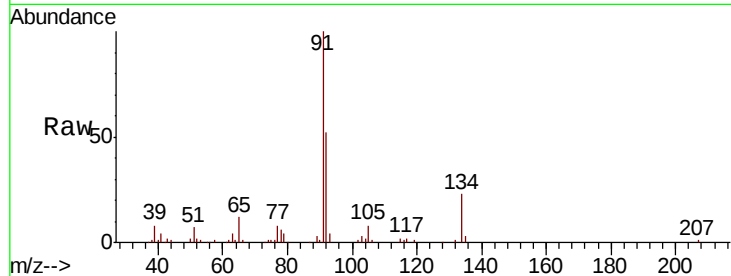




#89  
n-Butylbenzene  
Concen: 19.204 ug/l  
RT: 13.59 min Scan# 3732  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

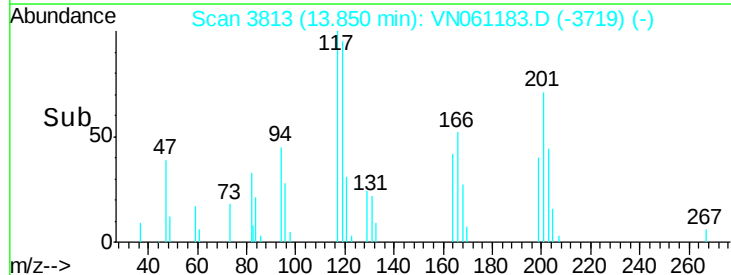
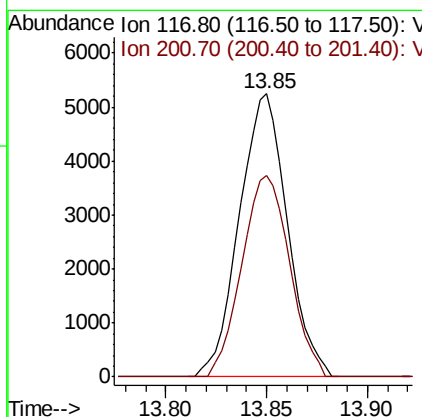
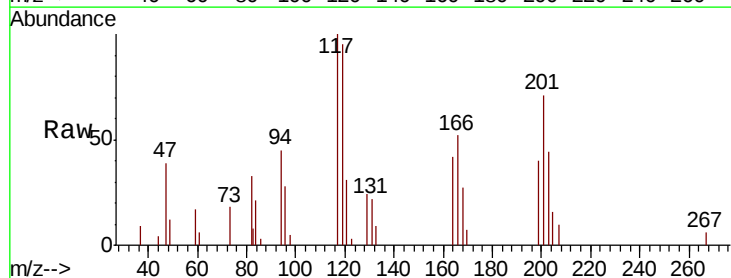
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

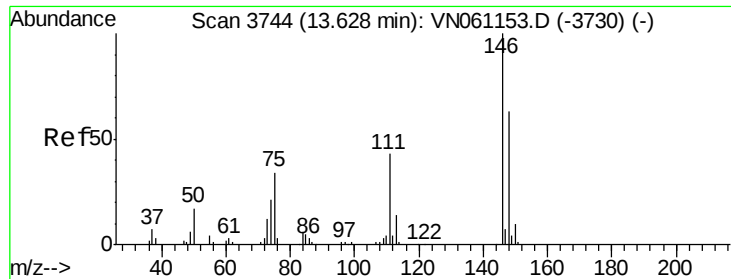
Tot Ion: 91 Resp: 87334  
Ion Ratio Lower Upper  
91 100  
92 52.9 26.8 80.3  
134 23.5 11.9 35.5



#90  
Hexachloroethane  
Concen: 21.947 ug/l  
RT: 13.85 min Scan# 3813  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion: 117 Resp: 8744  
Ion Ratio Lower Upper  
117 100  
201 70.8 35.5 106.7





#91

1,2-Dichlorobenzene

Concen: 18.771 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

Instrument :

MSVOA\_N

ClientSampled :

VN0429WBS01

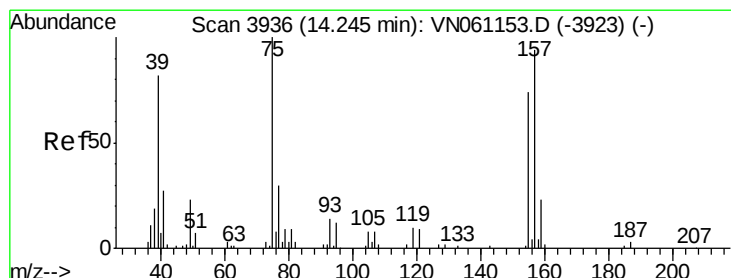
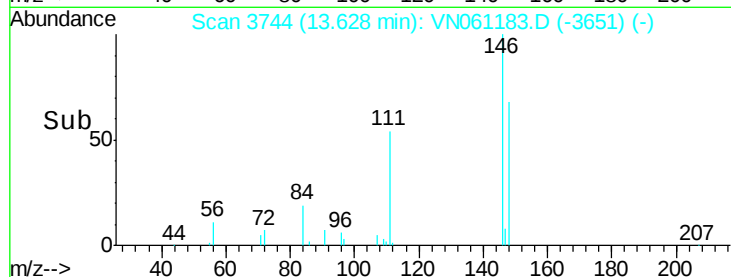
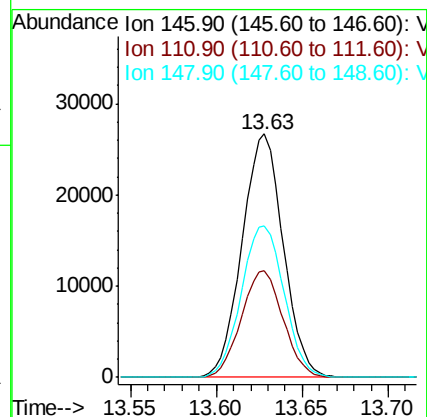
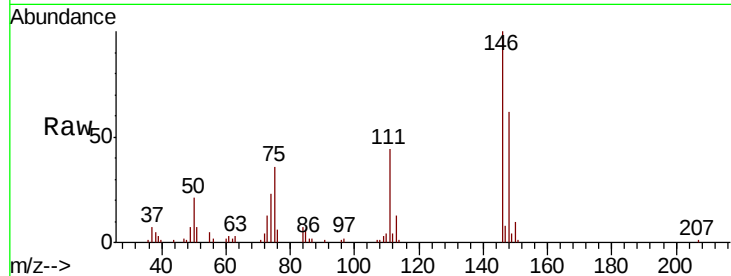
Tot Ion:146 Resp: 44261

Ion Ratio Lower Upper

146 100

111 44.3 21.8 65.3

148 64.5 31.6 95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.959 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VN061183.D

Acq: 29 Apr 2020 11:18

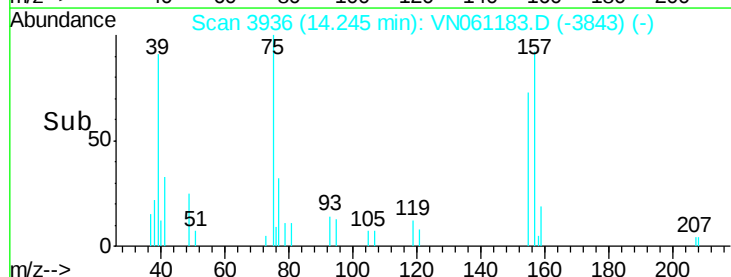
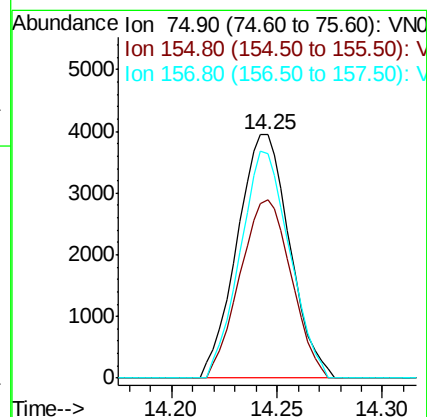
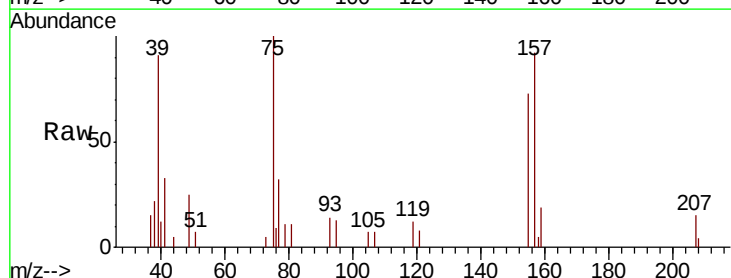
Tgt Ion: 75 Resp: 6844

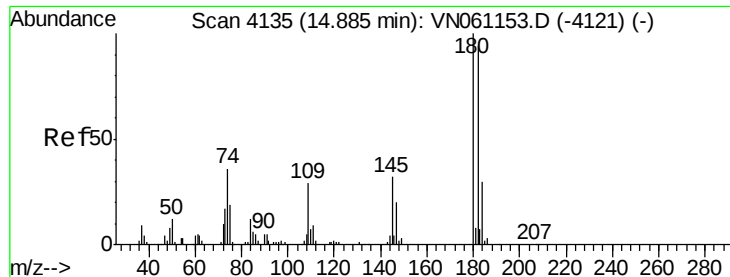
Ion Ratio Lower Upper

75 100

155 71.5 36.5 109.7

157 87.6 46.6 139.7

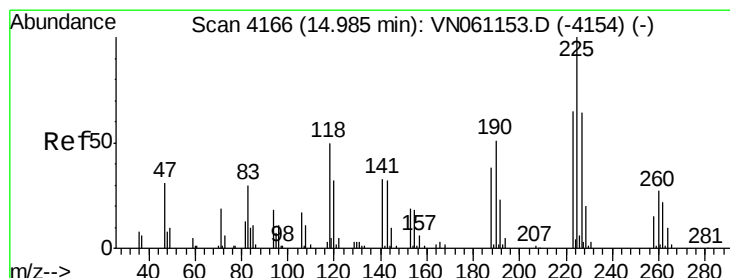
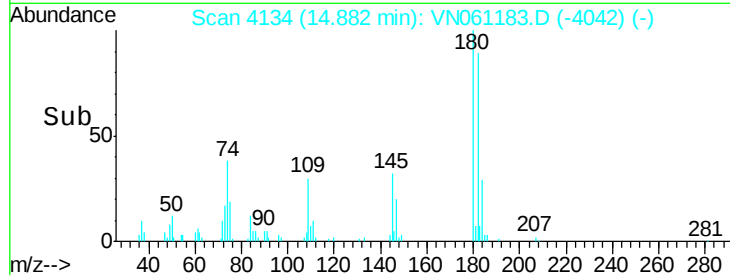
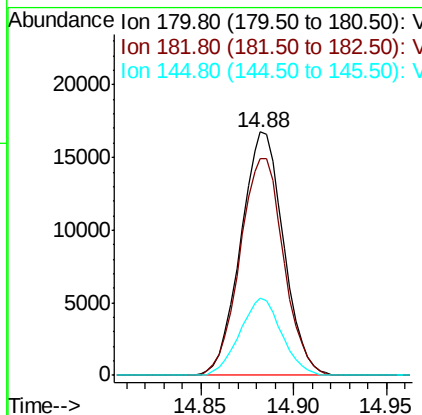
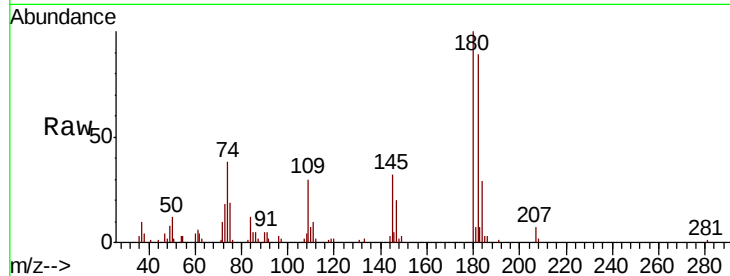




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.741 ug/l  
 RT: 14.88 min Scan# 4134  
 Delta R.T. -0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

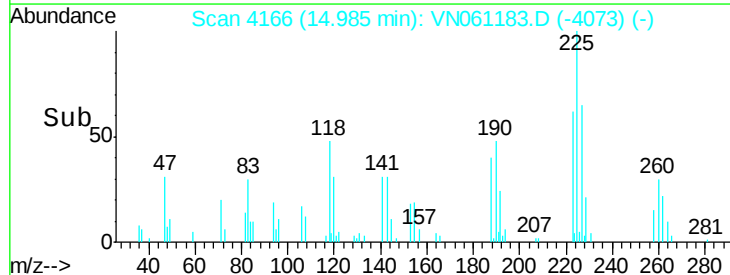
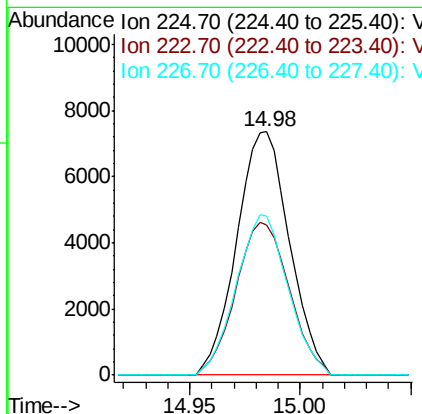
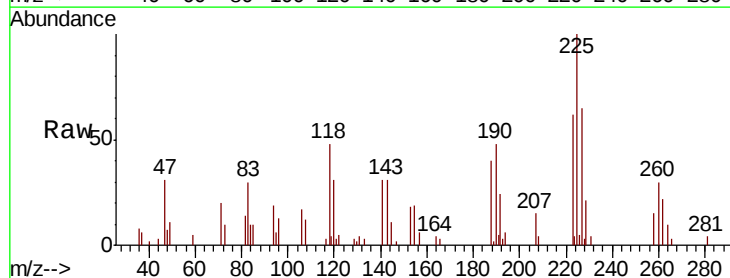
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0429WBS01

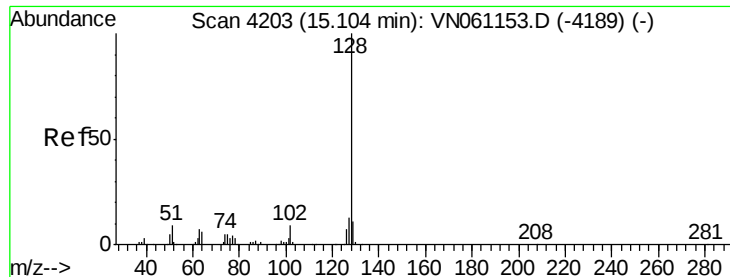
Tot Ion:180 Resp: 26909  
 Ion Ratio Lower Upper  
 180 100  
 182 91.1 47.3 141.9  
 145 30.8 16.0 47.9



#94  
 Hexachlorobutadiene  
 Concen: 20.285 ug/l  
 RT: 14.98 min Scan# 4166  
 Delta R.T. 0.00 min  
 Lab File: VN061183.D  
 Acq: 29 Apr 2020 11:18

Tgt Ion:225 Resp: 12168  
 Ion Ratio Lower Upper  
 225 100  
 223 63.7 32.4 97.0  
 227 64.7 32.4 97.0

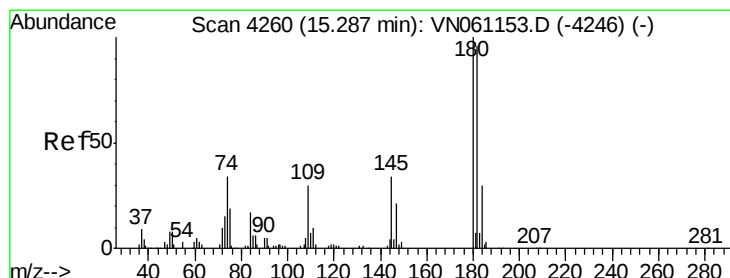
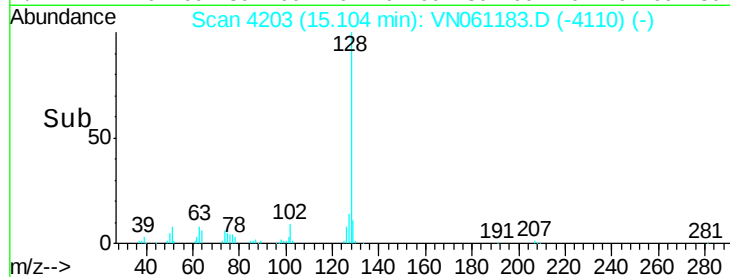
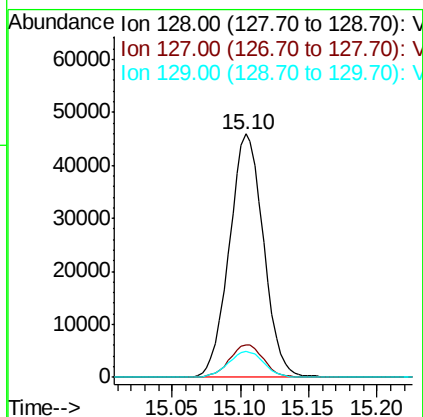
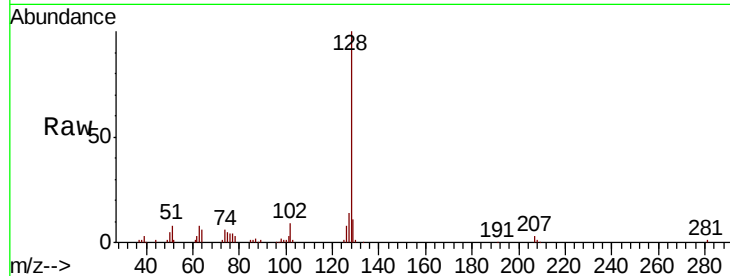




#95  
Naphthalene  
Concen: 17.094 ug/l  
RT: 15.10 min Scan# 4203  
Delta R.T. 0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0429WBS01

Tot Ion:128 Resp: 79933  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.4 15.6  
129 10.8 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 18.295 ug/l  
RT: 15.28 min Scan# 4259  
Delta R.T. -0.00 min  
Lab File: VN061183.D  
Acq: 29 Apr 2020 11:18

Tgt Ion:180 Resp: 25935  
Ion Ratio Lower Upper  
180 100  
182 94.8 47.5 142.5  
145 33.5 16.9 50.7

