

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN111819\  
 Data File : VN059276.D  
 Acq On : 18 Nov 2019 12:26  
 Operator : JC/SP  
 Sample : VN1118WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118WBS01

Quant Time: Nov 18 14:24:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 372054   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 581807   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 529949   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 244084   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 229681   | 50.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.44% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 187015   | 53.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.66% |      |
| 50) Toluene-d8            | 10.08  | 98  | 693121   | 50.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.30% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 254402   | 51.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.12% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 69635   | 18.576  | ug/l | 98     |
| 3) Chloromethane              | 2.04 | 50  | 94176   | 18.482  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 94322   | 19.092  | ug/l | 99     |
| 5) Bromomethane               | 2.54 | 94  | 58083   | 20.431  | ug/l | 100    |
| 6) Chloroethane               | 2.68 | 64  | 58207   | 19.917  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 124302  | 21.036  | ug/l | 99     |
| 8) Diethyl Ether              | 3.39 | 74  | 54393   | 22.654  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 78254   | 21.964  | ug/l | 100    |
| 10) Methyl Iodide             | 3.93 | 142 | 92329   | 20.936  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.75 | 59  | 98753   | 113.299 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 72391   | 20.858  | ug/l | 98     |
| 13) Acrolein                  | 3.58 | 56  | 43034   | 95.762  | ug/l | 98     |
| 14) Allyl chloride            | 4.29 | 41  | 146259  | 20.515  | ug/l | 98     |
| 15) Acrylonitrile             | 4.95 | 53  | 246356  | 113.573 | ug/l | 98     |
| 16) Acetone                   | 3.79 | 43  | 214468  | 90.177  | ug/l | 98     |
| 17) Carbon Disulfide          | 4.02 | 76  | 189511  | 17.590  | ug/l | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 132882  | 23.539  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 275932  | 23.092  | ug/l | 100    |
| 20) Methylene Chloride        | 4.52 | 84  | 88708   | 21.410  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 79666   | 21.384  | ug/l | 96     |
| 22) Diisopropyl ether         | 5.92 | 45  | 300571  | 22.321  | ug/l | 93     |
| 23) Vinyl Acetate             | 5.86 | 43  | 1217252 | 116.635 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 165189  | 21.963  | ug/l | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 324114  | 103.403 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 141487  | 21.514  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 94303   | 21.819  | ug/l | 98     |
| 28) Bromochloromethane        | 7.17 | 49  | 48389   | 21.385  | ug/l | 96     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 220553  | 110.739 | ug/l | 98     |
| 30) Chloroform                | 7.35 | 83  | 163312  | 22.636  | ug/l | 99     |
| 31) Cyclohexane               | 7.63 | 56  | 137787  | 19.352  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 134844  | 22.230  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 115218  | 21.187  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.90 | 43  | 132365  | 21.879  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 115603  | 21.358  | ug/l | 98     |

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 ClientSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 127168   | 20.149  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 360048   | 21.986  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 195087   | 74.157  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 123089   | 21.915  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 209021   | 21.672  | ug/l   | 100      |
| 44) Trichloroethene            | 8.82  | 130  | 89157    | 22.148  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 100098   | 22.504  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 61060    | 22.029  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 126936   | 22.934  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.18  | 41   | 92809    | 21.513  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 34132    | 445.186 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 666318   | 122.095 | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 217774   | 22.187  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 141242   | 22.088  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 154562   | 22.470  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 91743    | 23.095  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 129833   | 20.735  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 156995   | 22.963  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 261034   | 118.075 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 471564   | 112.578 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 95622    | 22.767  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 91353    | 22.717  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 78475    | 21.777  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 229471   | 22.212  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 89282    | 23.039  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 413666   | 22.569  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 304900   | 44.408  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 145186   | 21.881  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 230267   | 22.066  | ug/l   | 98       |
| 71) Bromoform                  | 12.12 | 173  | 67983    | 22.553  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 396318   | 22.322  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 160809   | 21.375  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 137796   | 22.790  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 178391   | 32.102  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 96495    | 21.632  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 448917   | 22.082  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 278148   | 22.056  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 331947   | 22.064  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 45615    | 21.681  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 279113   | 22.066  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 290892   | 22.390  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 332767   | 22.862  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 379020   | 22.431  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 331802   | 22.240  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 167861   | 21.975  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 167398   | 21.903  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 283732   | 21.728  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 63091    | 21.059  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 167656   | 22.312  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 27331    | 22.671  | ug/l   | 98       |

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Sample : VN1118WBS01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

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Quant Title : SW846 8260  
QLast Update : Thu Nov 07 04:00:41 2019  
Response via : Initial Calibration

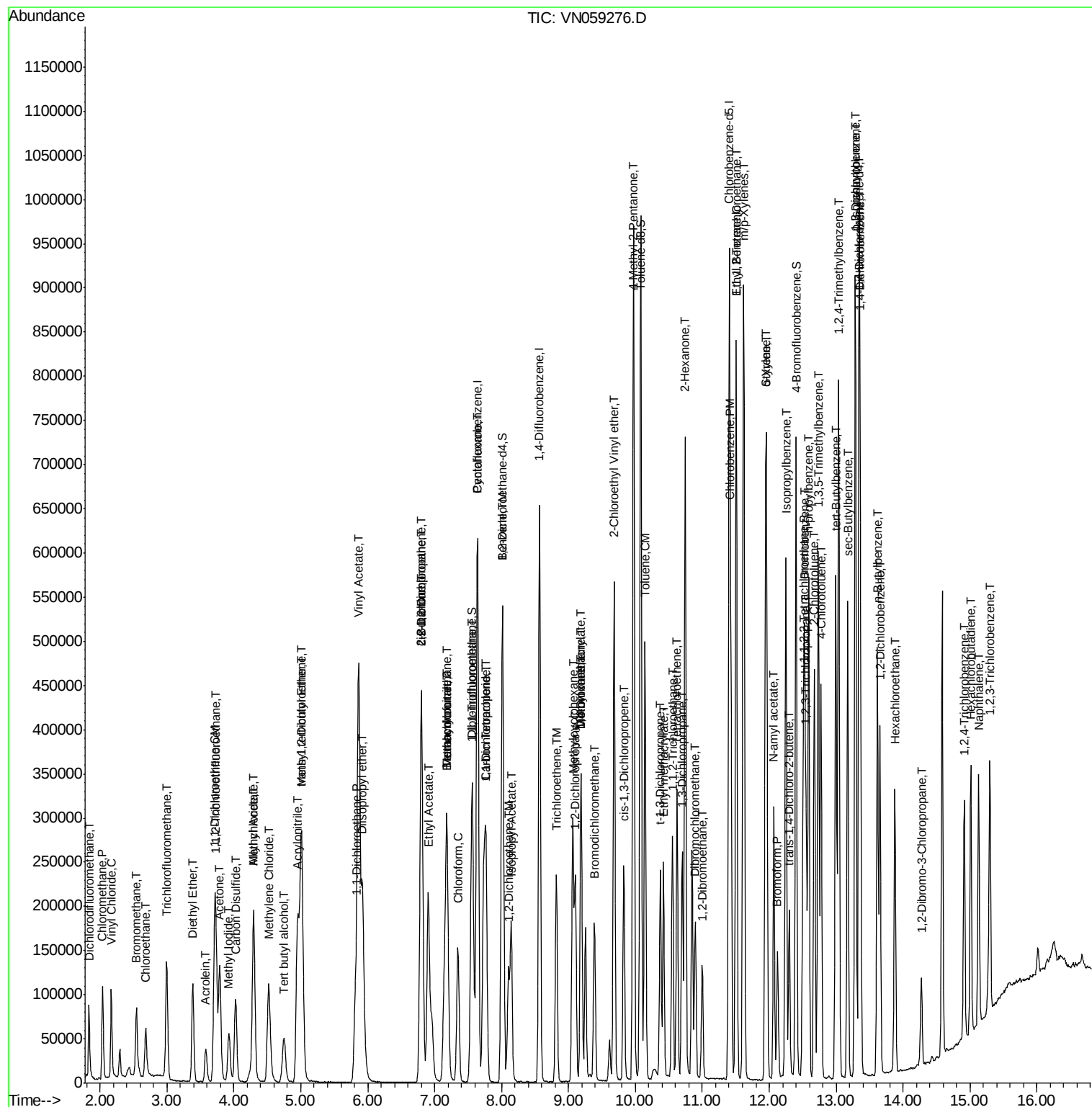
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 89100    | 21.399 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 60478    | 23.342 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 233776   | 20.402 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 90930    | 21.593 | ug/l  | 99       |

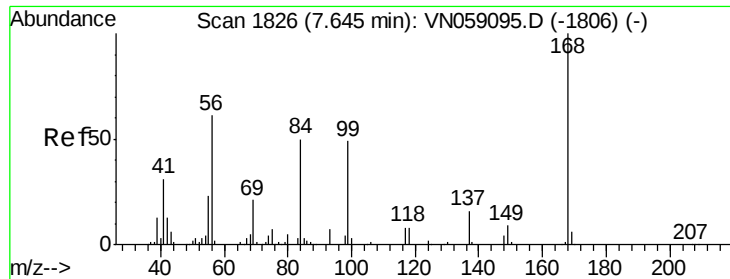
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN111819\  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

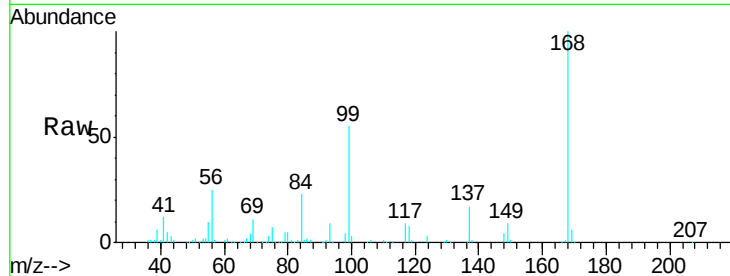
VN1118WBS01

Tgt Ion:168 Resp: 372054

Ion Ratio Lower Upper

168 100

99 55.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

150000

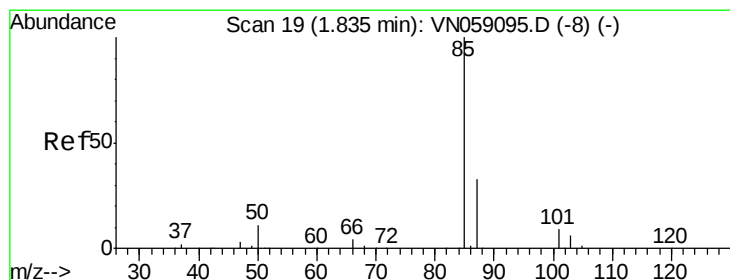
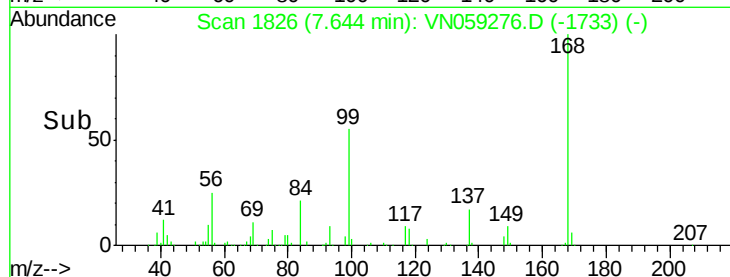
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.576 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059276.D

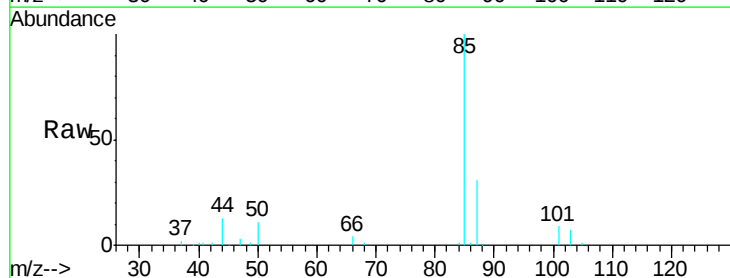
Acq: 18 Nov 2019 12:26

Tgt Ion: 85 Resp: 69635

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

50000

40000

30000

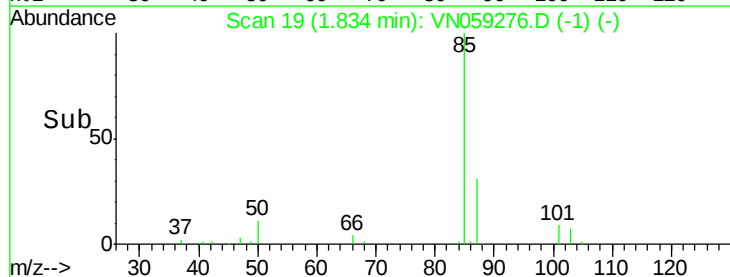
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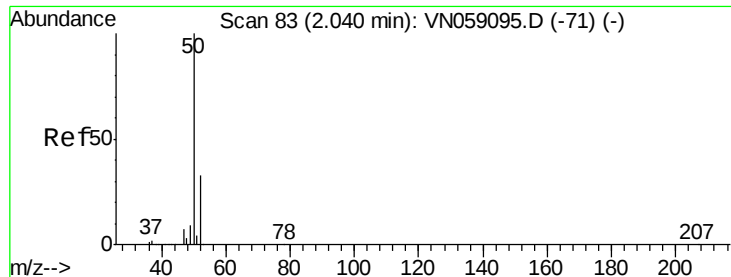
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.482 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

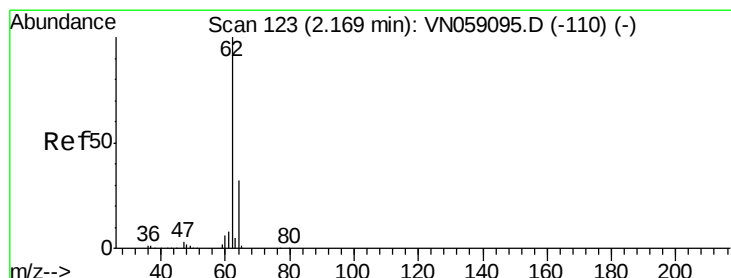
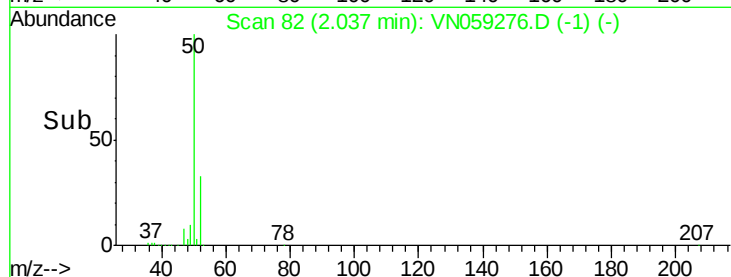
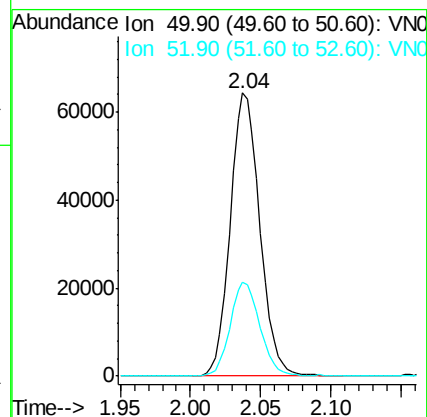
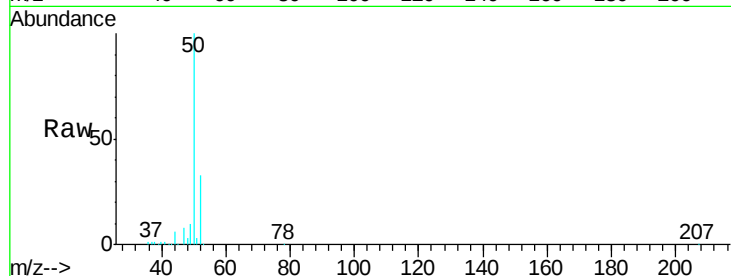
VN1118WBS01

Tgt Ion: 50 Resp: 94176

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 19.092 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059276.D

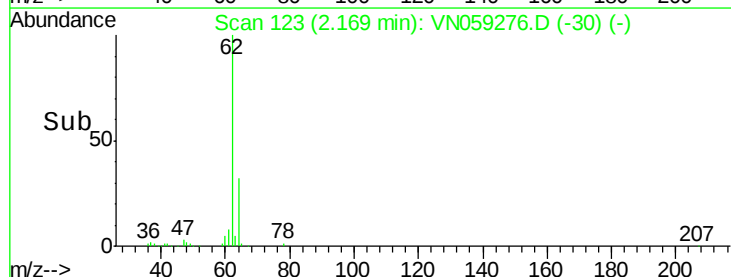
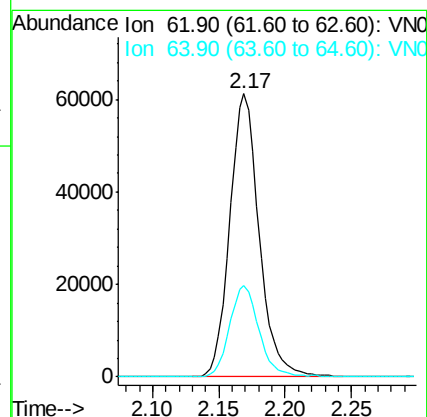
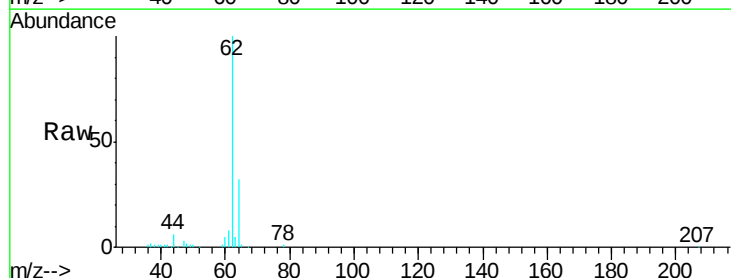
Acq: 18 Nov 2019 12:26

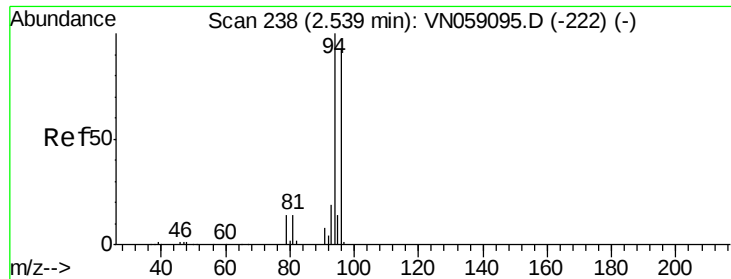
Tgt Ion: 62 Resp: 94322

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 20.431 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

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ClientSampleId :

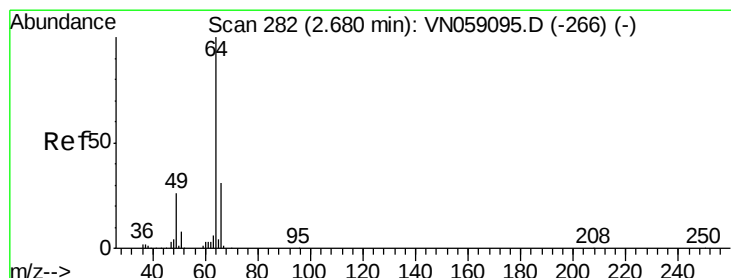
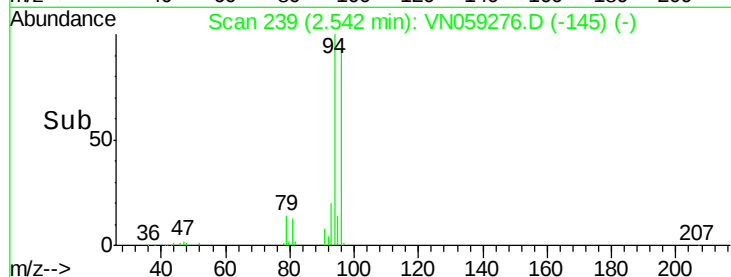
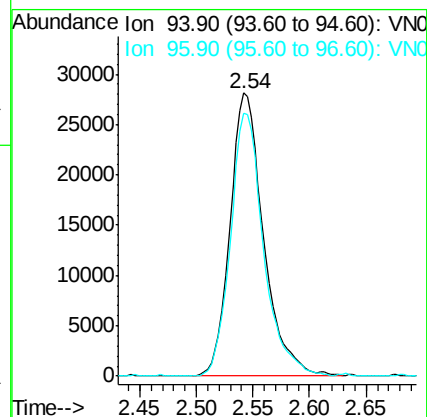
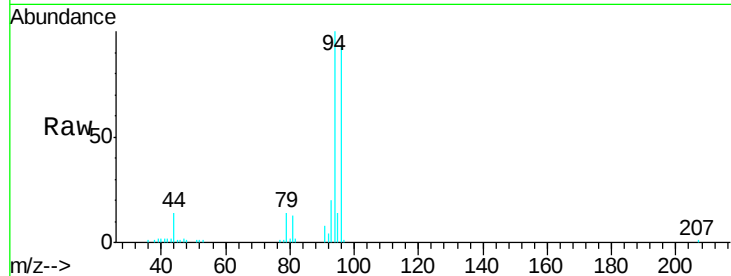
VN1118WBS01

Tgt Ion: 94 Resp: 58083

Ion Ratio Lower Upper

94 100

96 92.8 74.2 111.2



#6

Chloroethane

Concen: 19.917 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059276.D

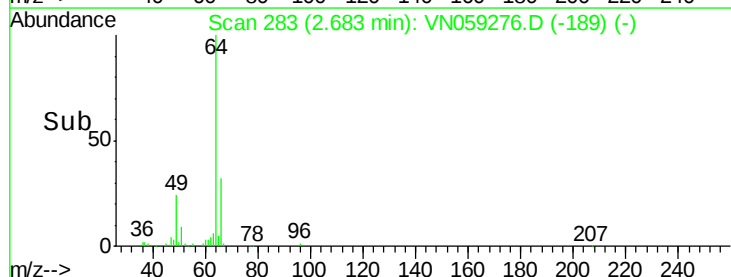
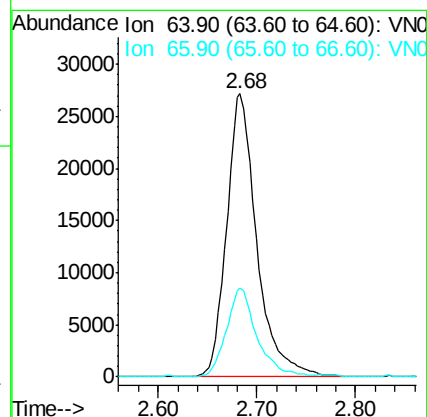
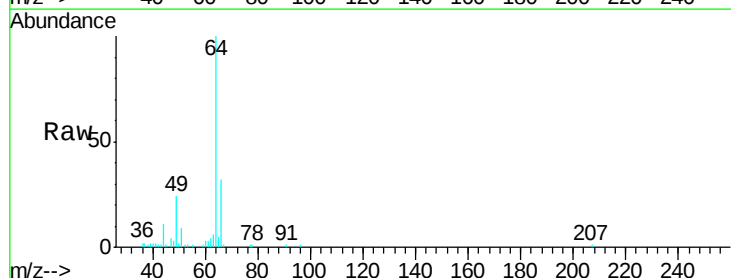
Acq: 18 Nov 2019 12:26

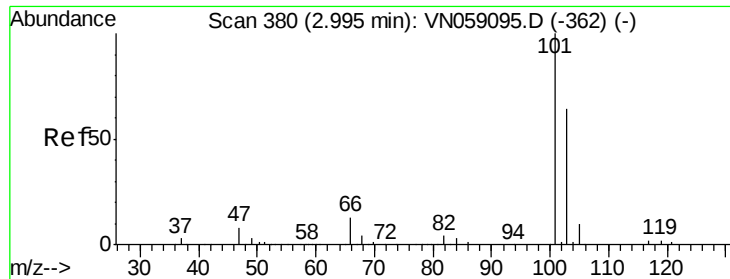
Tgt Ion: 64 Resp: 58207

Ion Ratio Lower Upper

64 100

66 31.6 25.2 37.8



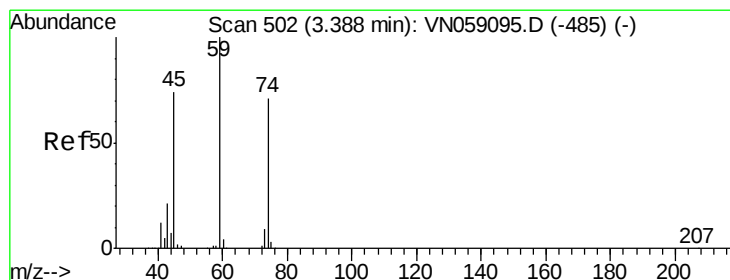
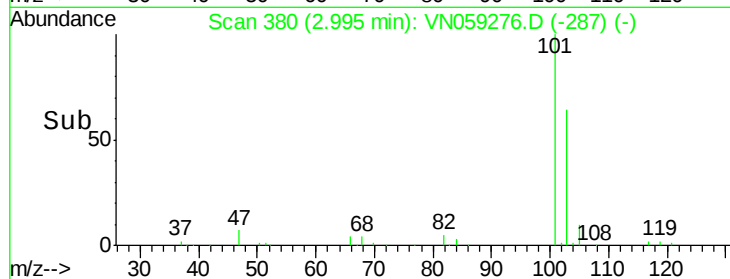
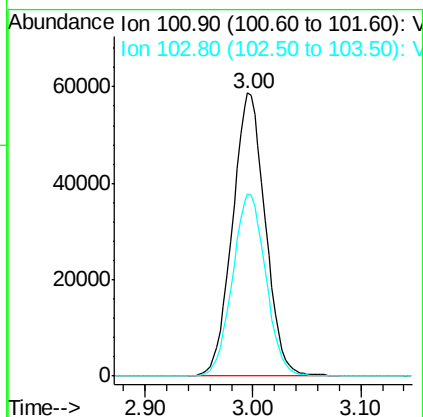
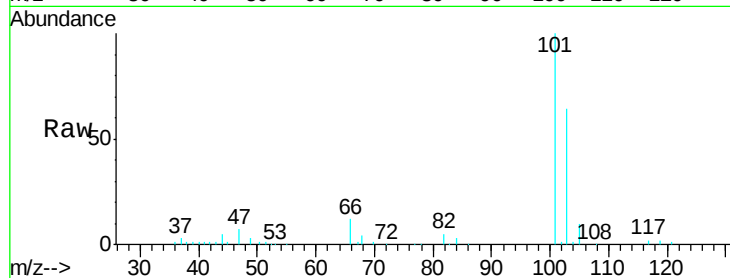


#7

Trichlorofluoromethane  
Concen: 21.036 ug/l  
RT: 3.00 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

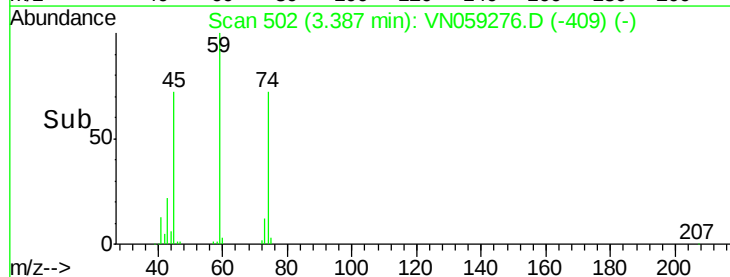
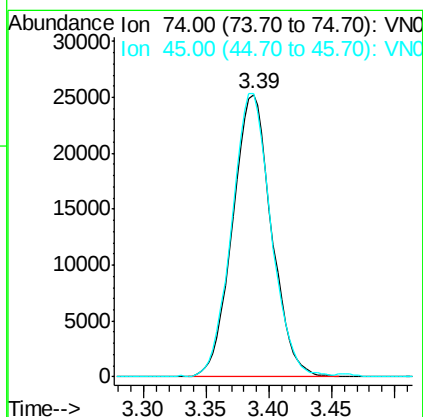
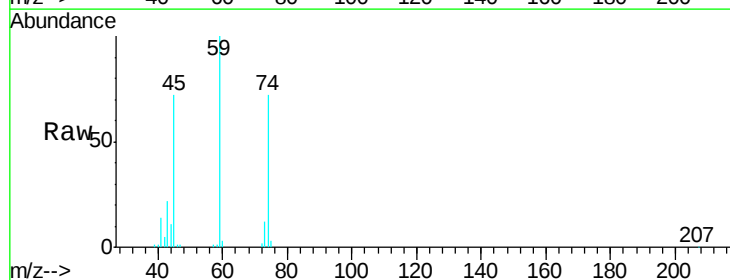
Tgt Ion:101 Resp: 124302  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.2 76.8

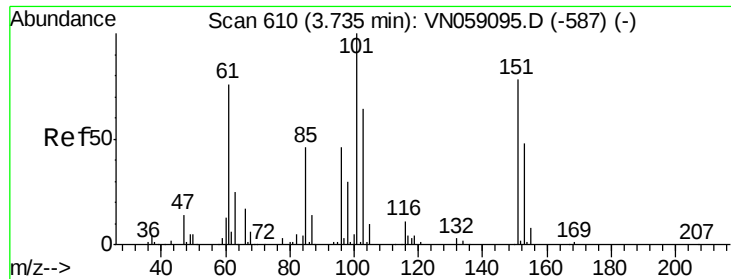


#8

Diethyl Ether  
Concen: 22.654 ug/l  
RT: 3.39 min Scan# 502  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion: 74 Resp: 54393  
Ion Ratio Lower Upper  
74 100  
45 101.4 51.6 154.9

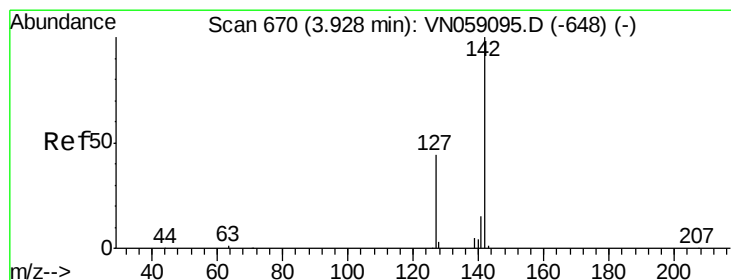
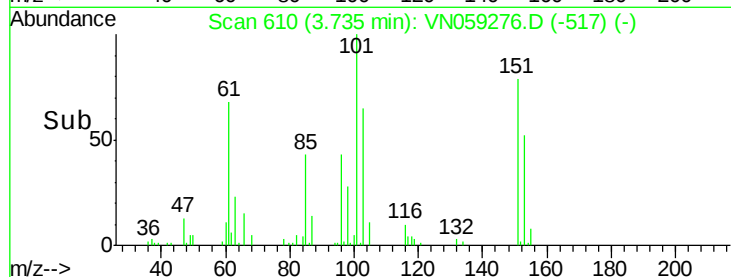
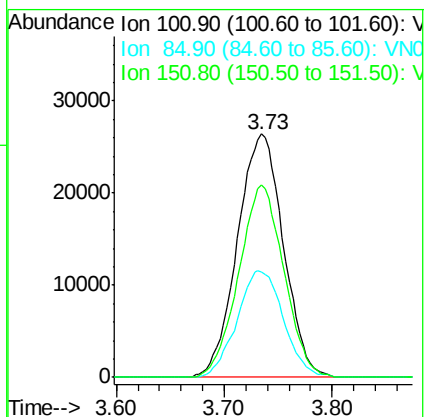
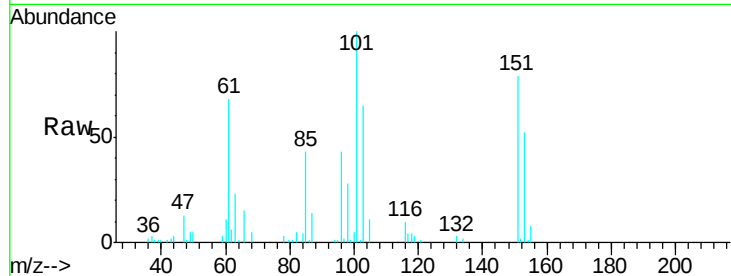




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 21.964 ug/l  
 RT: 3.73 min Scan# 610  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

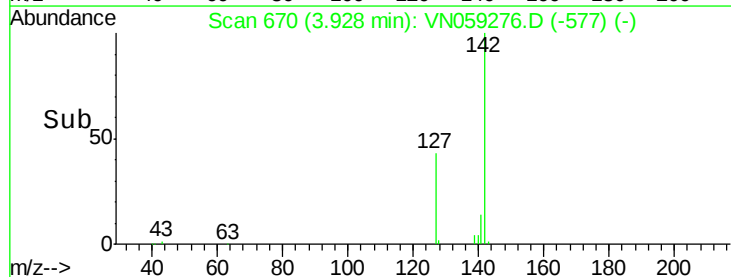
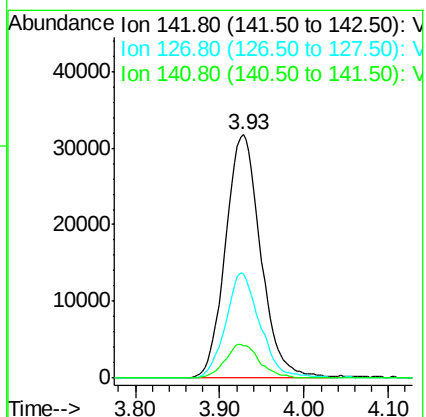
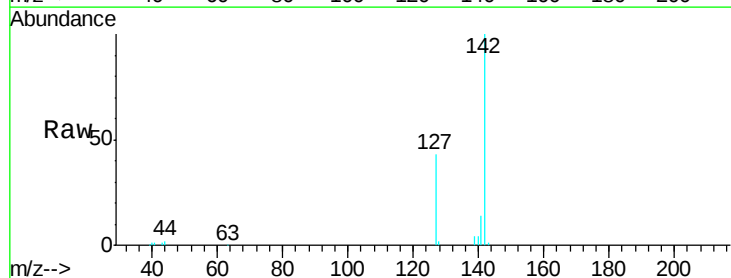
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118WBS01

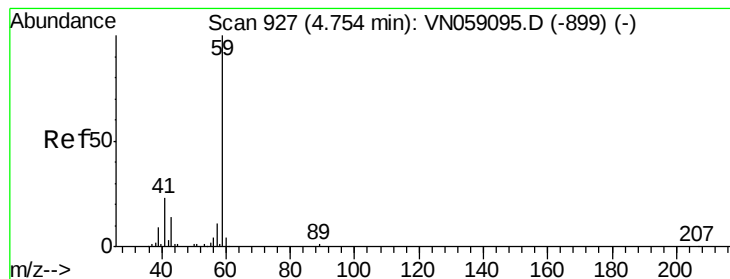
Tgt Ion:101 Resp: 78254  
 Ion Ratio Lower Upper  
 101 100  
 85 44.0 35.5 53.3  
 151 77.4 62.2 93.2



#10  
 Methyl Iodide  
 Concen: 20.936 ug/l  
 RT: 3.93 min Scan# 670  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion:142 Resp: 92329  
 Ion Ratio Lower Upper  
 142 100  
 127 41.9 34.2 51.2  
 141 13.4 11.4 17.0



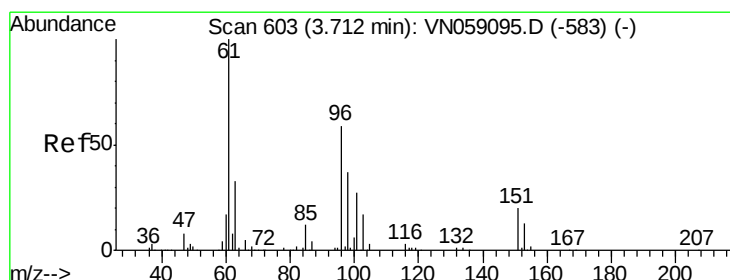
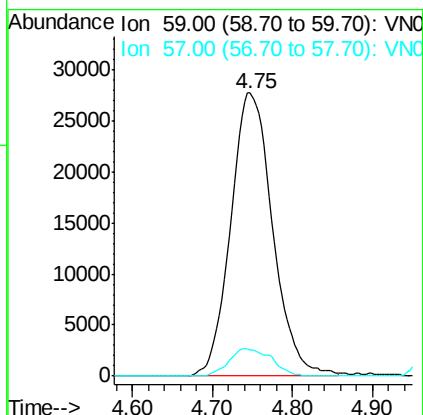
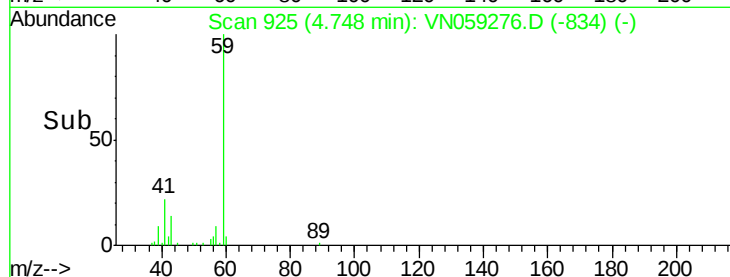
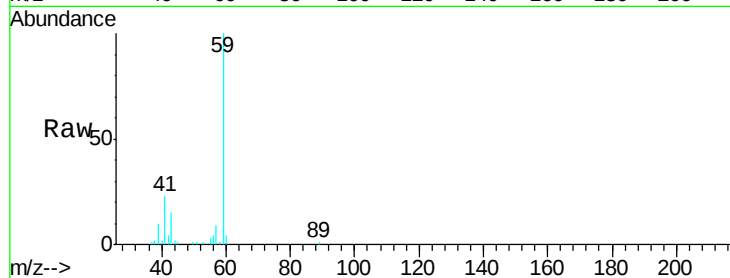


#11

Tert butyl alcohol  
Concen: 113.299 ug/l  
RT: 4.75 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

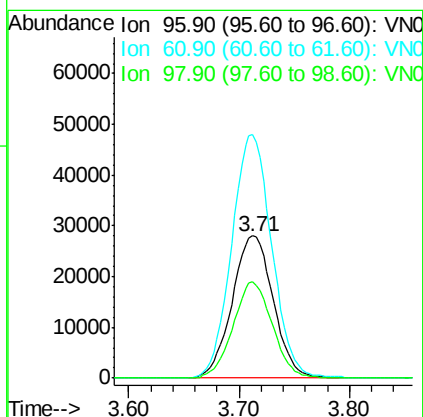
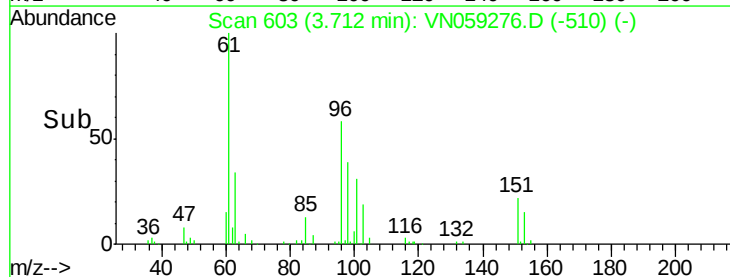
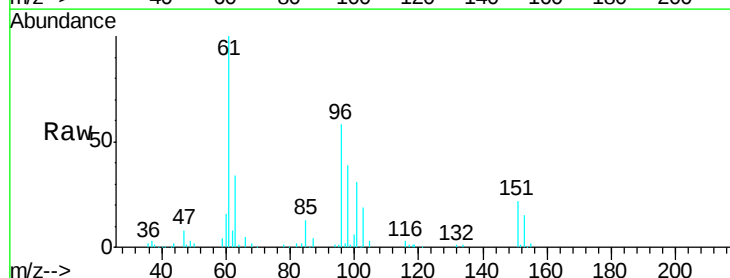
Tgt Ion: 59 Resp: 98753  
Ion Ratio Lower Upper  
59 100  
57 9.8 8.3 12.5



#12

1,1-Dichloroethene  
Concen: 20.858 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion: 96 Resp: 72391  
Ion Ratio Lower Upper  
96 100  
61 171.0 136.5 204.7  
98 67.4 50.2 75.4





#13

Acrolein

Concen: 95.762 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

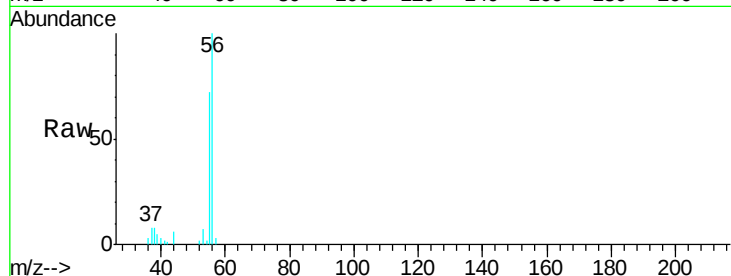
VN1118WBS01

Tgt Ion: 56 Resp: 43034

Ion Ratio Lower Upper

56 100

55 72.3 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN059095.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN059095.D (-546) (-)

3.58

15000

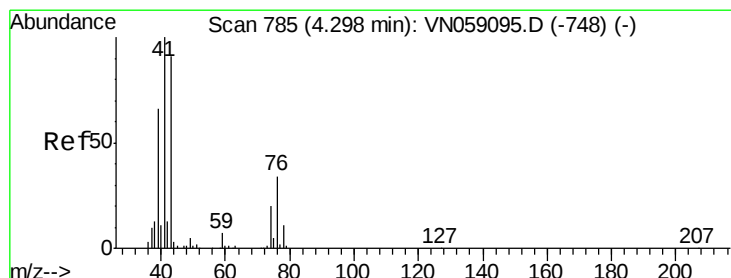
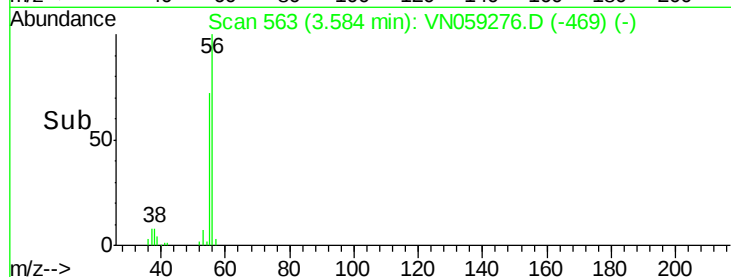
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 20.515 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

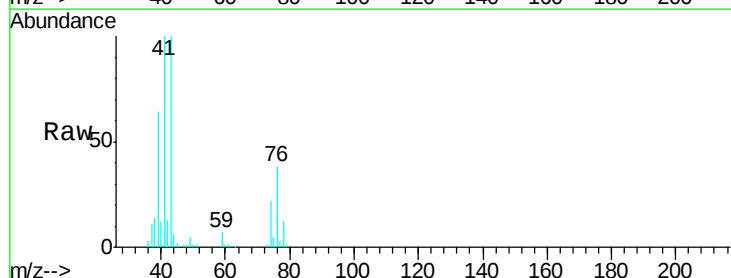
Tgt Ion: 41 Resp: 146259

Ion Ratio Lower Upper

41 100

39 60.3 49.1 73.7

76 32.8 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-748) (-)

Ion 39.00 (38.70 to 39.70): VN059095.D (-748) (-)

Ion 75.90 (75.60 to 76.60): VN059095.D (-748) (-)

4.29

60000

50000

40000

30000

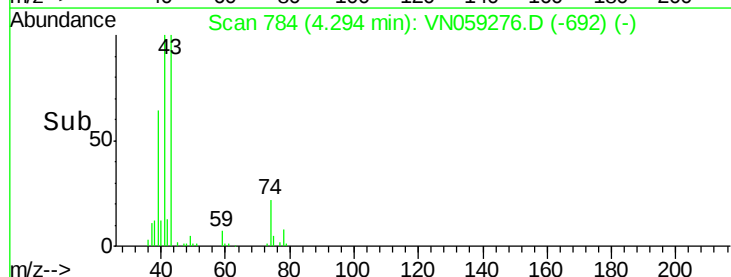
20000

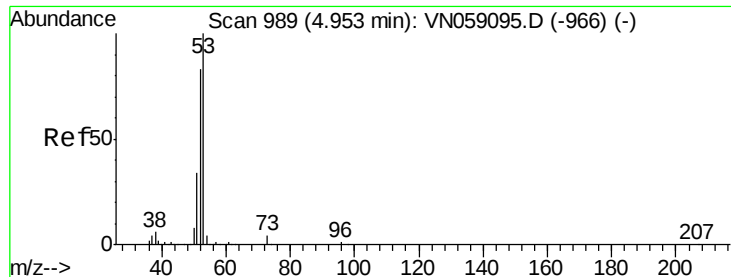
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 113.573 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

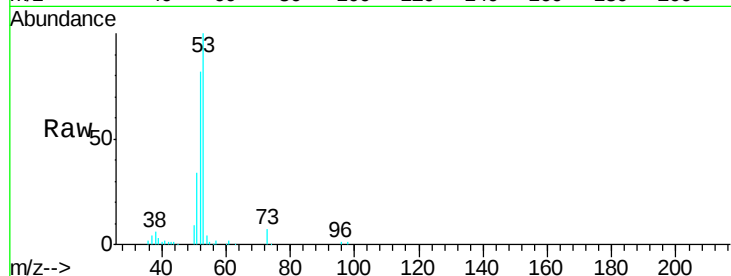
Tgt Ion: 53 Resp: 246356

Ion Ratio Lower Upper

53 100

52 83.0 65.0 97.6

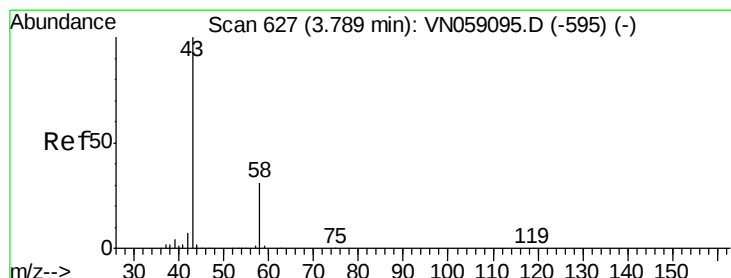
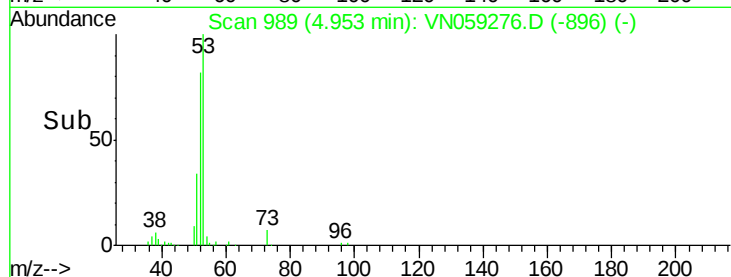
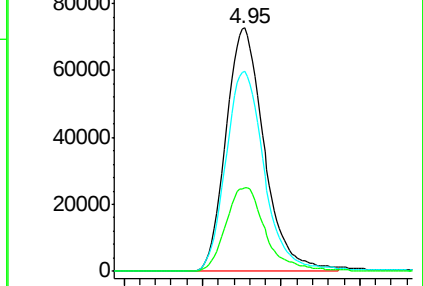
51 35.6 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059095.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059095.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059095.D (-966) (-)



#16

Acetone

Concen: 90.177 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059276.D

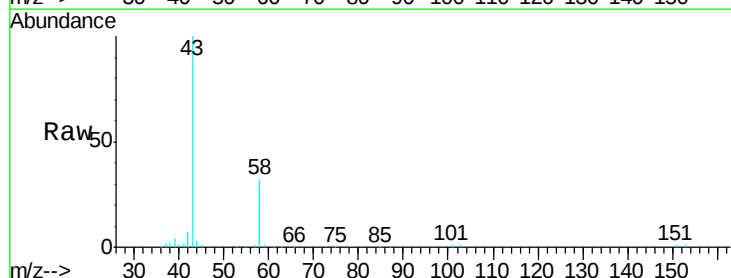
Acq: 18 Nov 2019 12:26

Tgt Ion: 43 Resp: 214468

Ion Ratio Lower Upper

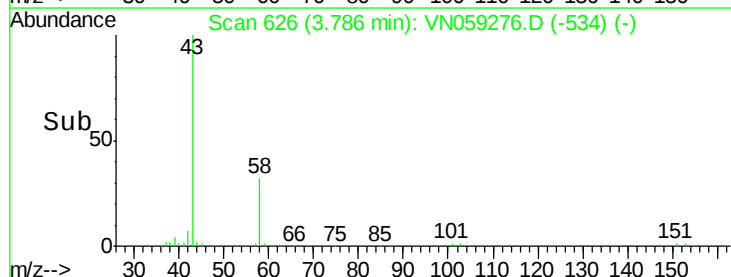
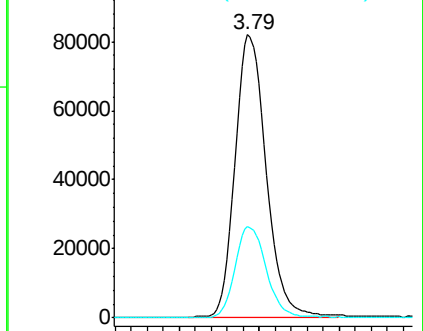
43 100

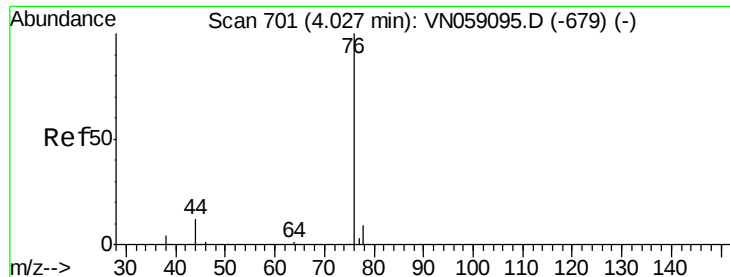
58 32.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-595) (-)

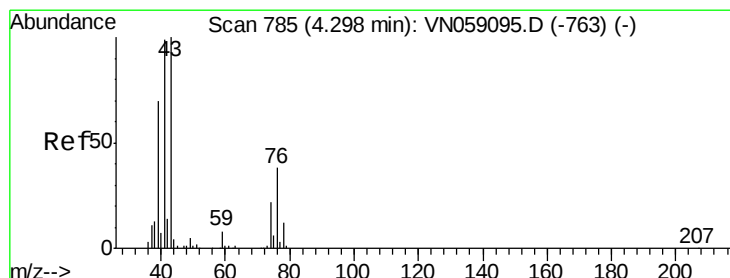
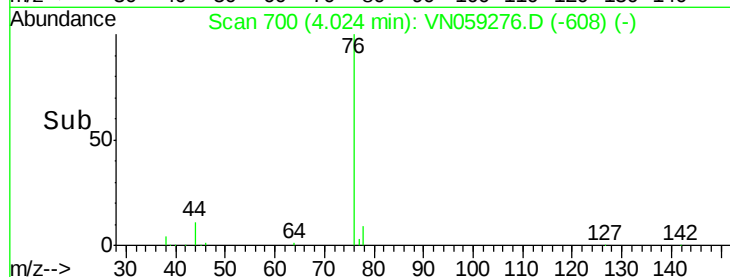
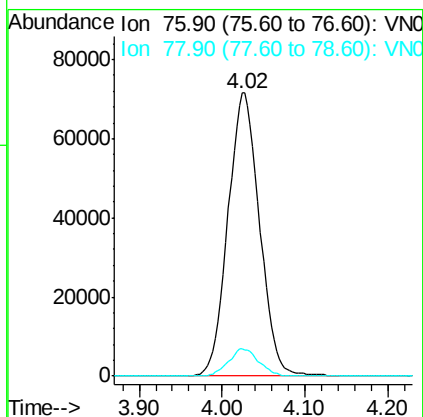
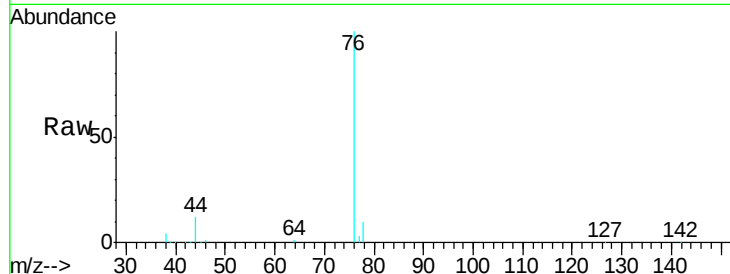




#17  
Carbon Disulfide  
Concen: 17.590 ug/l  
RT: 4.02 min Scan# 700  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

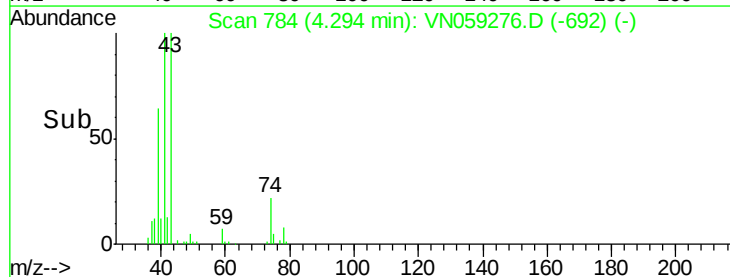
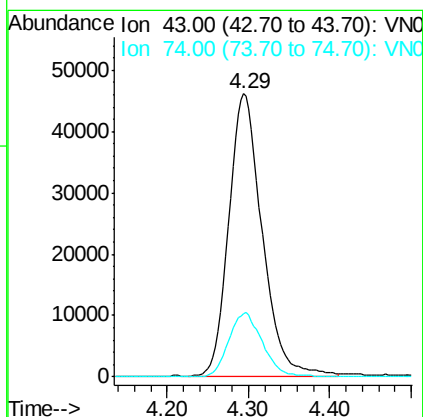
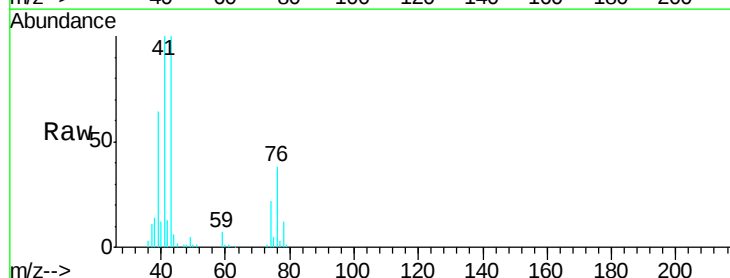
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

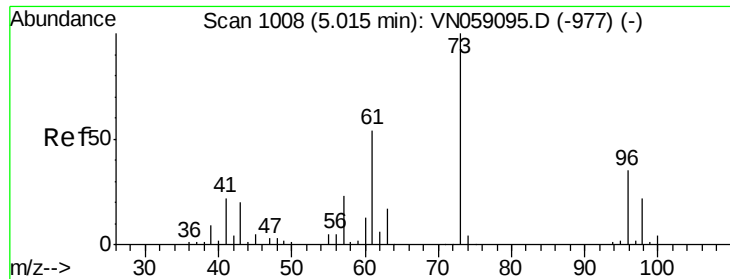
Tgt Ion: 76 Resp: 189511  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.0



#18  
Methyl Acetate  
Concen: 23.539 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion: 43 Resp: 132882  
Ion Ratio Lower Upper  
43 100  
74 22.8 17.8 26.8

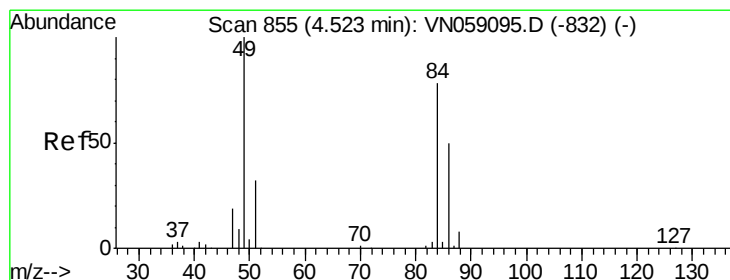
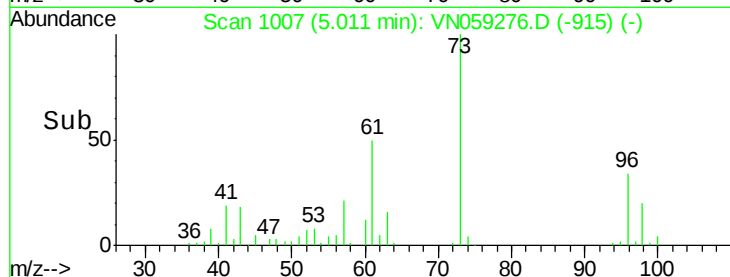
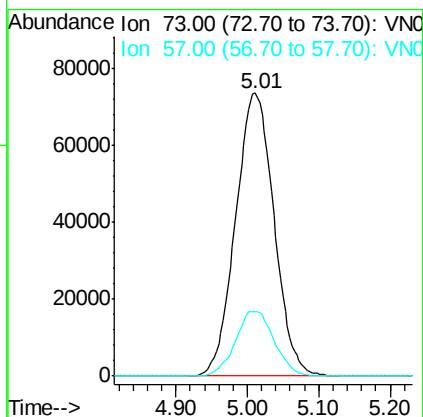
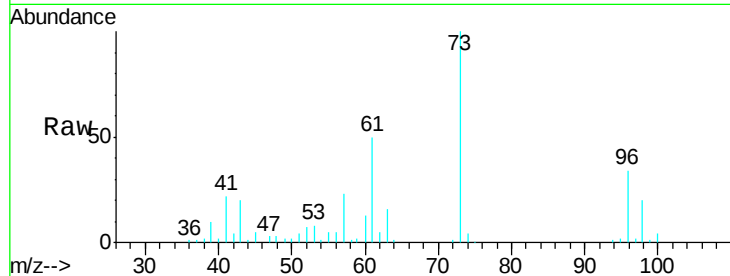




#19  
Methyl tert-butyl Ether  
Concen: 23.092 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

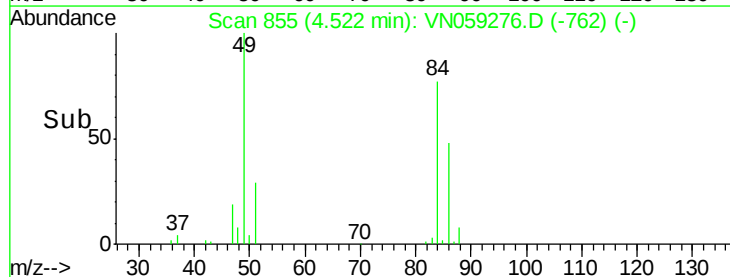
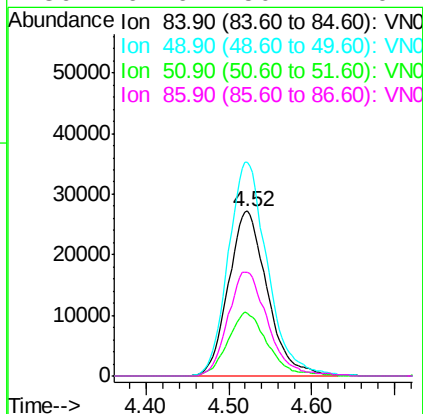
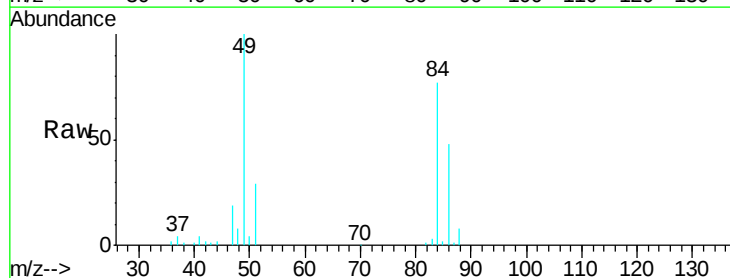
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

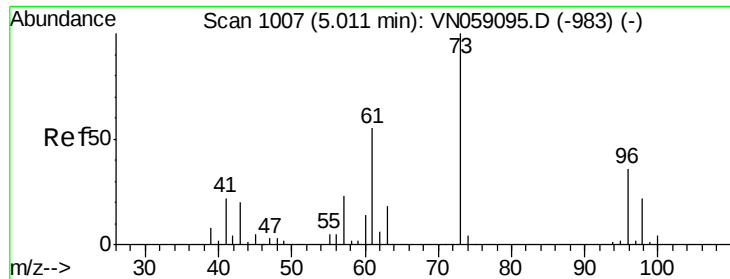
Tgt Ion: 73 Resp: 275932  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.4 27.6



#20  
Methylene Chloride  
Concen: 21.410 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion: 84 Resp: 88708  
Ion Ratio Lower Upper  
84 100  
49 129.5 102.0 153.0  
51 38.2 32.2 48.2  
86 62.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 21.384 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

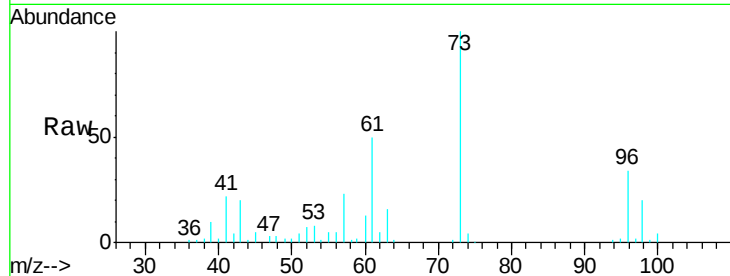
Tgt Ion: 96 Resp: 79666

Ion Ratio Lower Upper

96 100

61 148.7 122.6 183.8

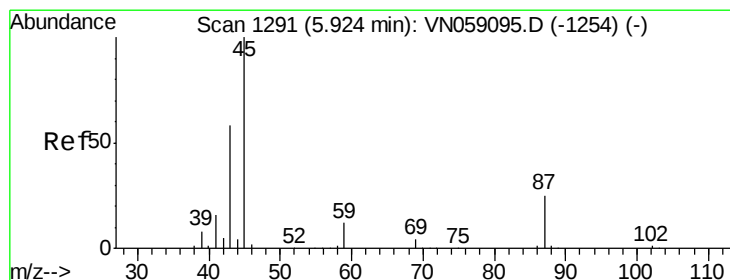
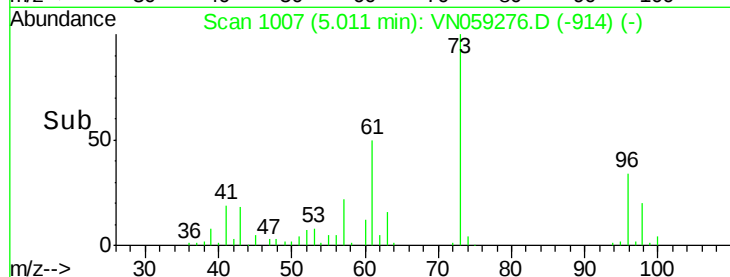
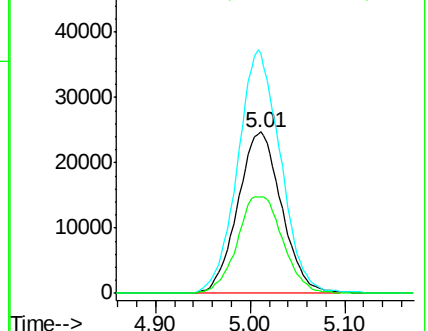
98 60.1 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059095.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059095.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-983) (-)



#22

Diisopropyl ether

Concen: 22.321 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion: 45 Resp: 300571

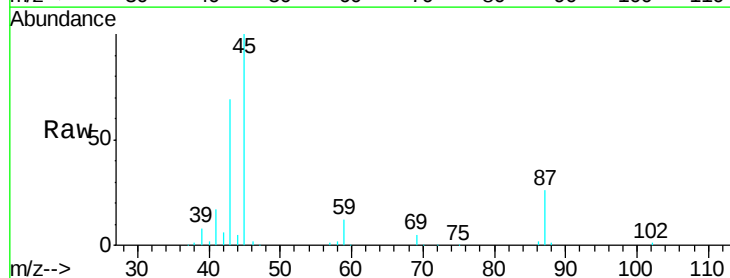
Ion Ratio Lower Upper

45 100

43 67.2 46.7 70.1

87 26.0 20.5 30.7

59 11.9 9.6 14.4

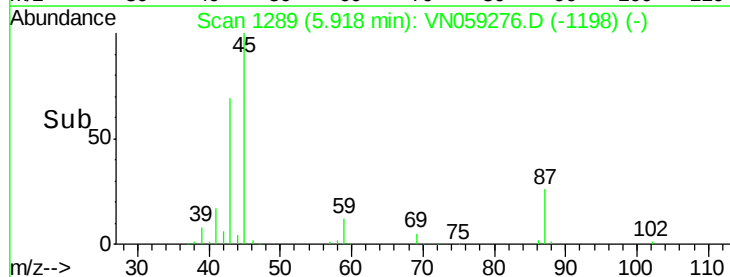
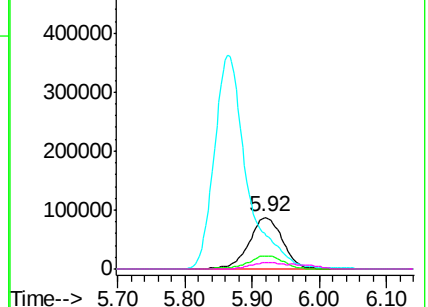


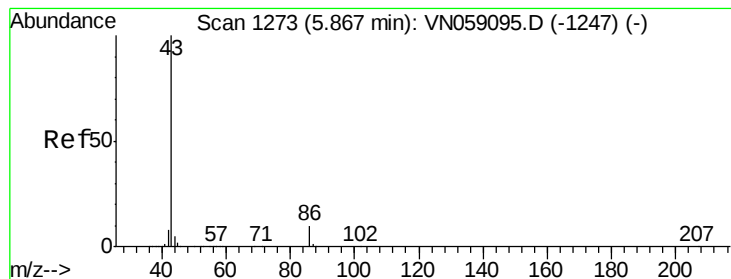
Abundance Ion 45.00 (44.70 to 45.70): VN059095.D (-1254) (-)

Ion 43.00 (42.70 to 43.70): VN059095.D (-1254) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1254) (-)

Ion 59.00 (58.70 to 59.70): VN059095.D (-1254) (-)





#23

Vinyl Acetate

Concen: 116.635 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

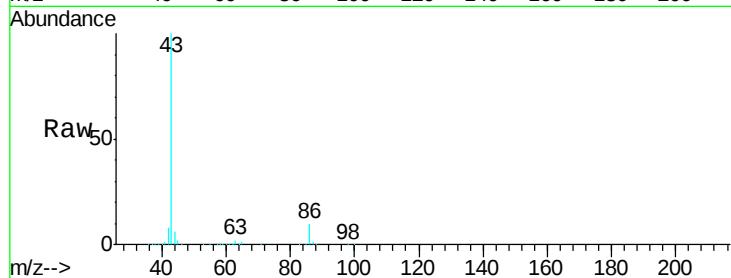
VN1118WBS01

Tgt Ion: 43 Resp: 1217252

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN059095.D (-1247) (-)

5.86

400000

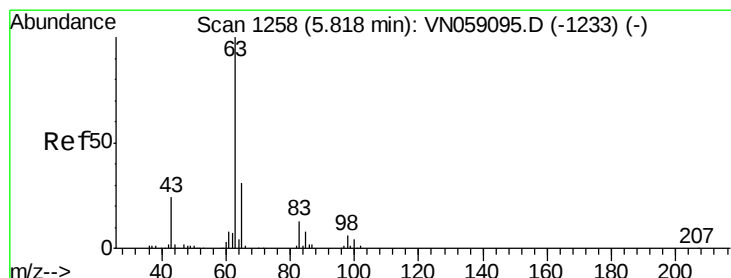
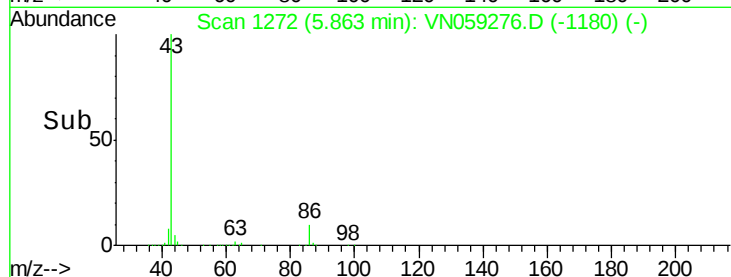
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.963 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

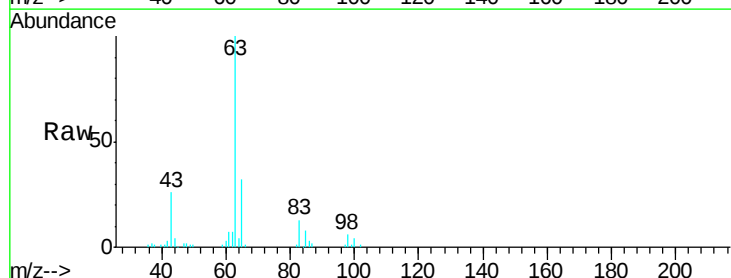
Tgt Ion: 63 Resp: 165189

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059095.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059095.D (-1233) (-)

5.82

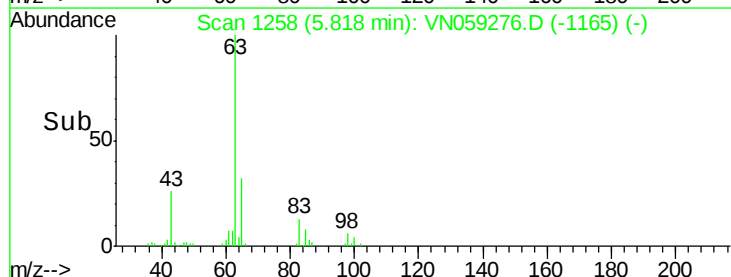
60000

40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 103.403 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

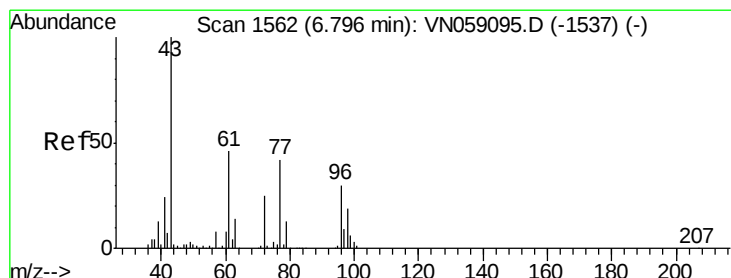
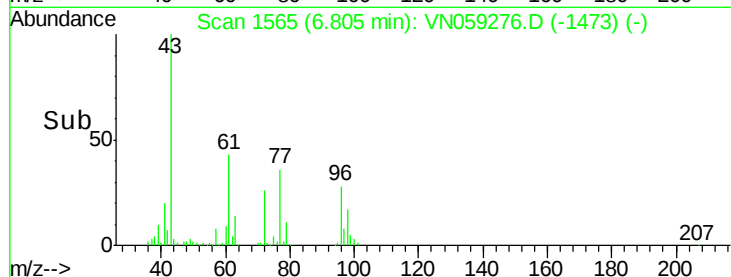
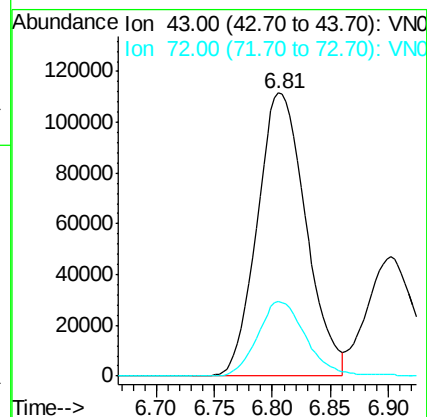
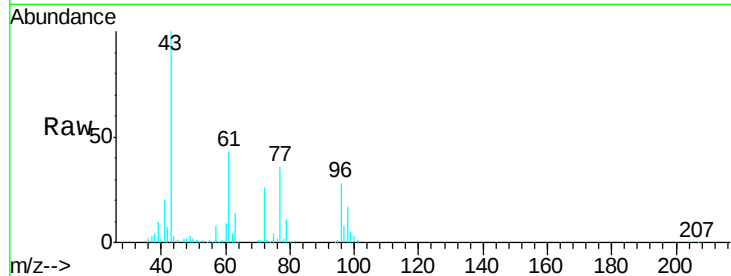
VN1118WBS01

Tgt Ion: 43 Resp: 324114

Ion Ratio Lower Upper

43 100

72 26.2 20.3 30.5



#26

2,2-Dichloropropane

Concen: 21.514 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059276.D

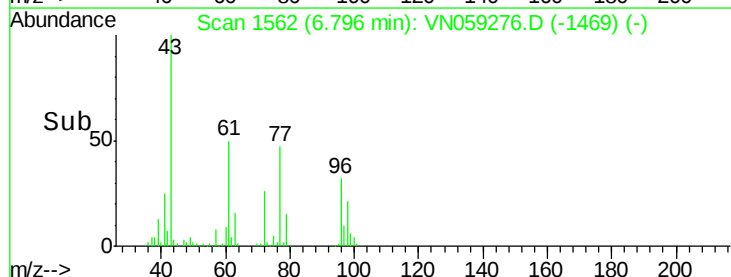
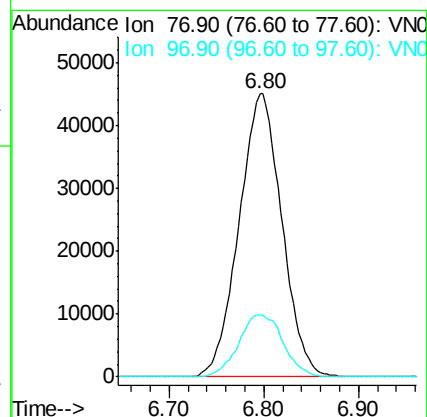
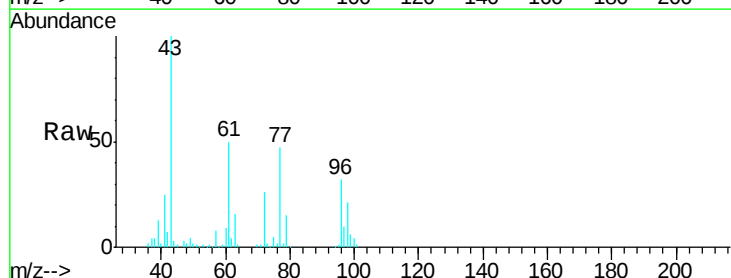
Acq: 18 Nov 2019 12:26

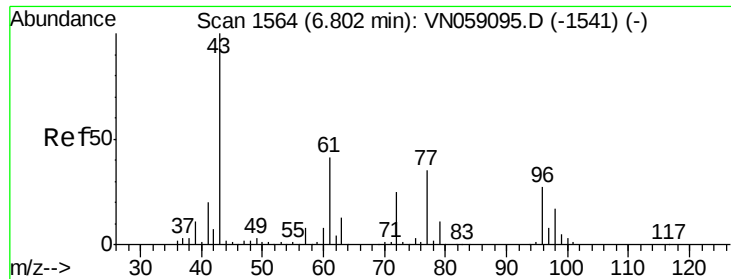
Tgt Ion: 77 Resp: 141487

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 21.819 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

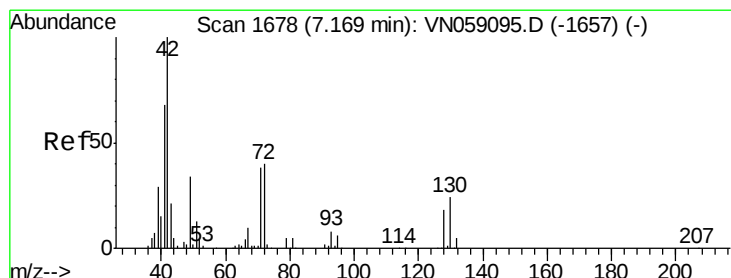
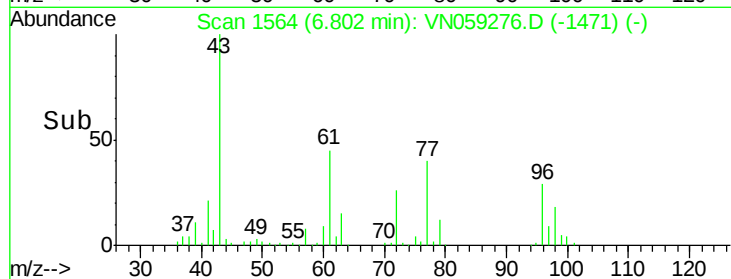
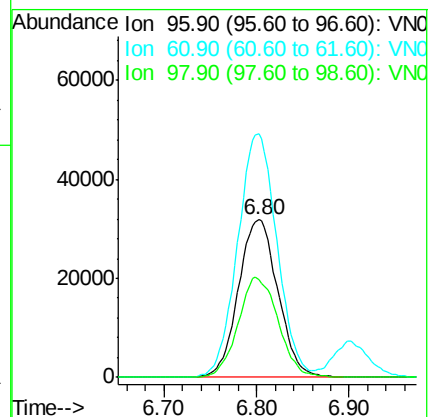
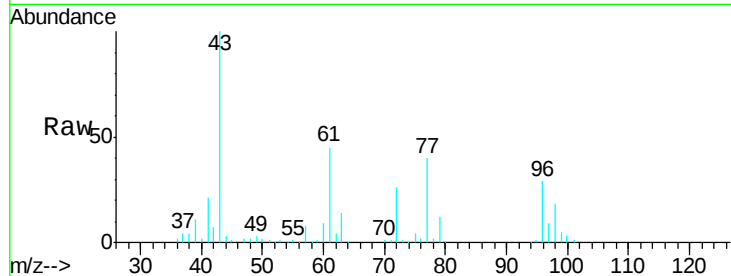
Tgt Ion: 96 Resp: 94303

Ion Ratio Lower Upper

96 100

61 153.3 0.0 311.6

98 64.1 0.0 129.8



#28

Bromochloromethane

Concen: 21.385 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

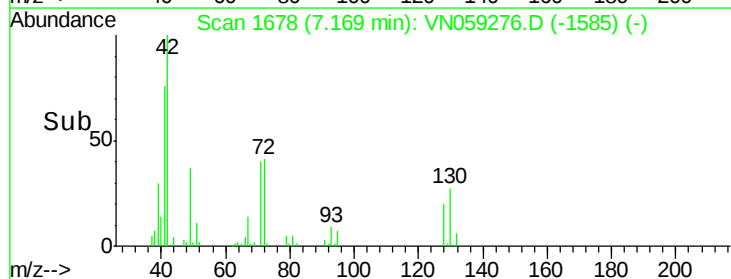
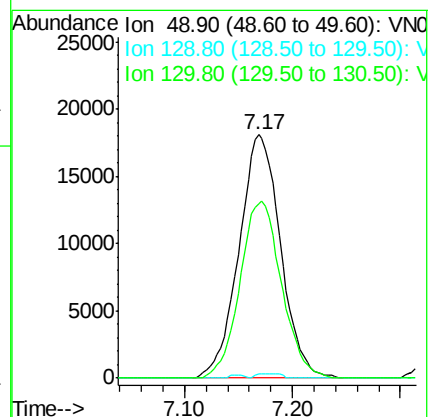
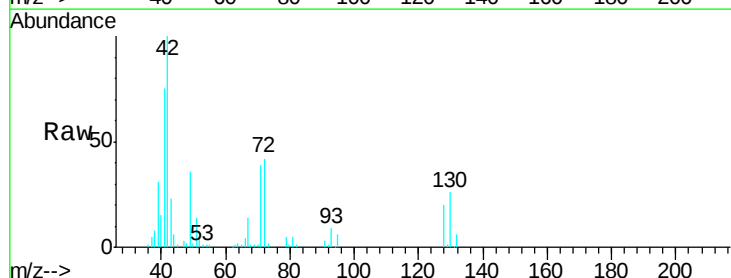
Tgt Ion: 49 Resp: 48389

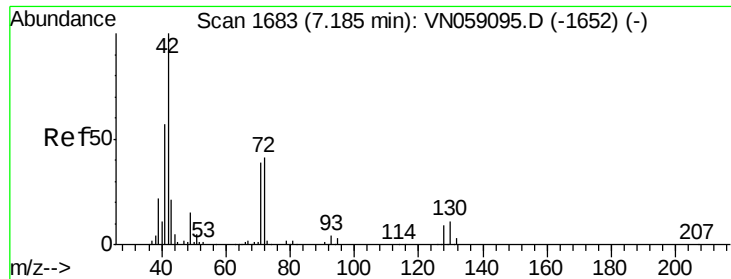
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

130 72.6 55.6 83.4





#29

Tetrahydrofuran

Concen: 110.739 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

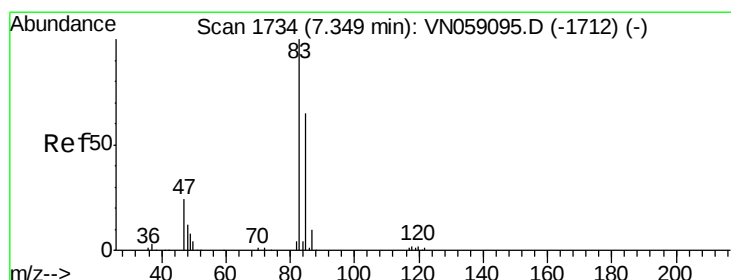
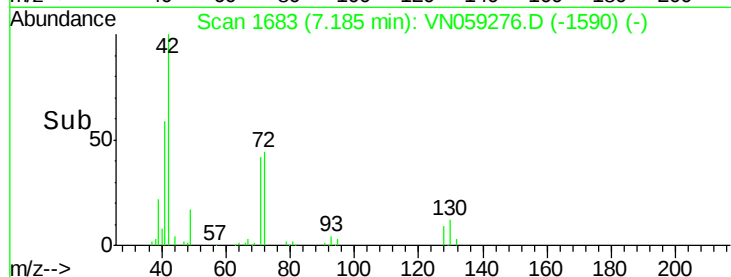
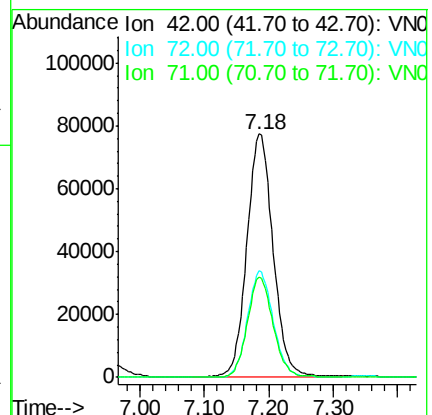
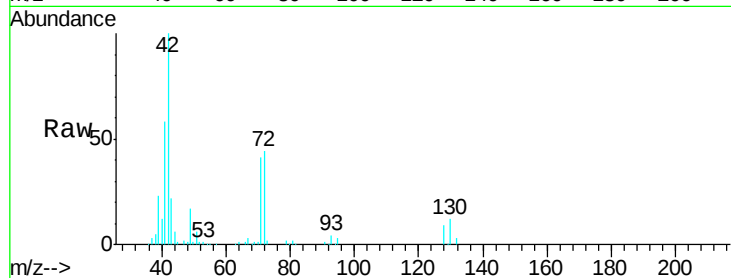
Tgt Ion: 42 Resp: 220553

Ion Ratio Lower Upper

42 100

72 42.6 33.1 49.7

71 40.1 30.9 46.3



#30

Chloroform

Concen: 22.636 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059276.D

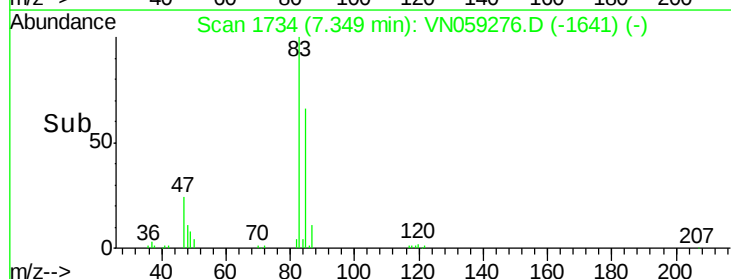
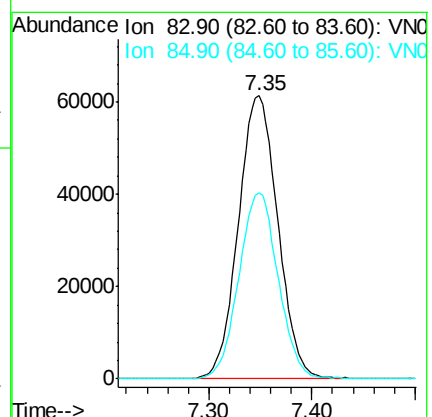
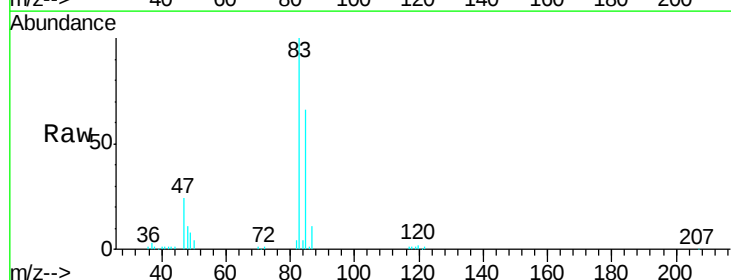
Acq: 18 Nov 2019 12:26

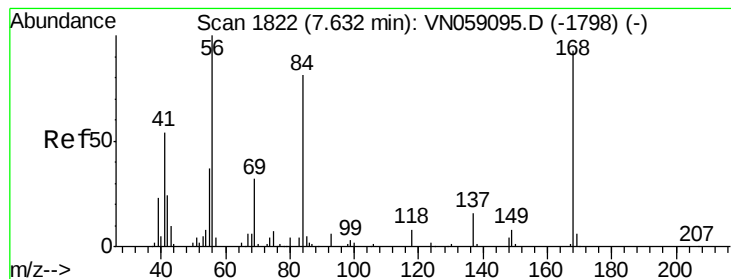
Tgt Ion: 83 Resp: 163312

Ion Ratio Lower Upper

83 100

85 65.8 51.8 77.8





#31

Cyclohexane

Concen: 19.352 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

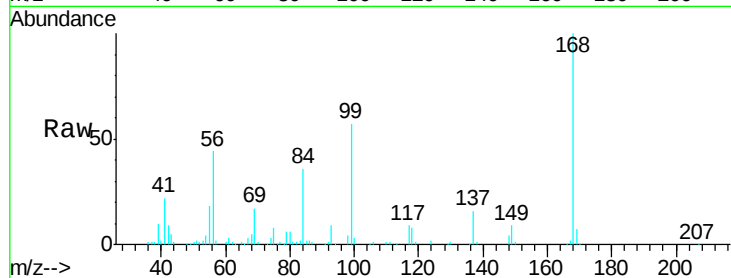
Tgt Ion: 56 Resp: 137787

Ion Ratio Lower Upper

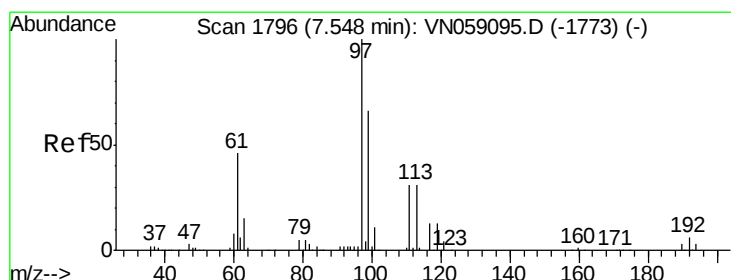
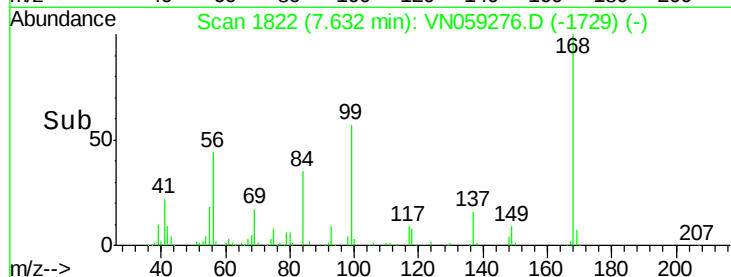
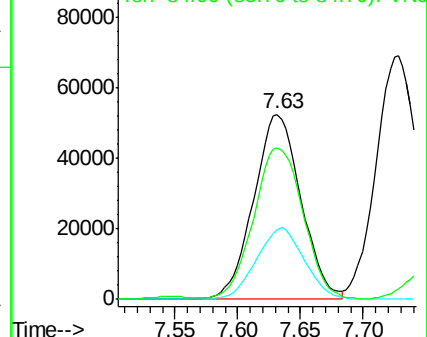
56 100

69 37.6 25.8 38.8

84 80.7 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 22.230 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

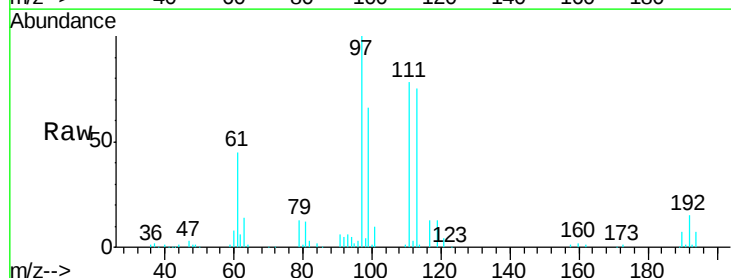
Tgt Ion: 97 Resp: 134844

Ion Ratio Lower Upper

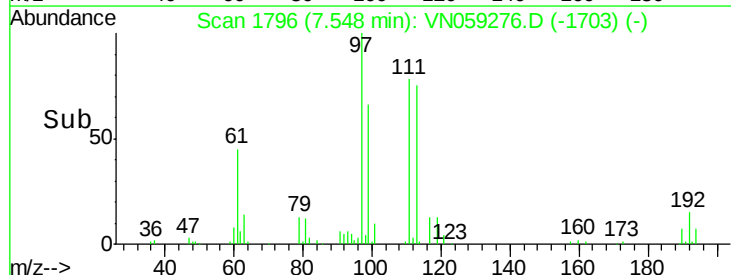
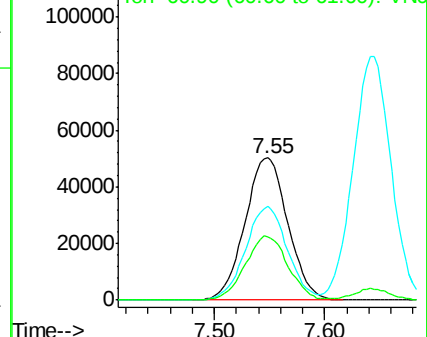
97 100

99 64.9 51.0 76.6

61 45.0 35.8 53.8



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

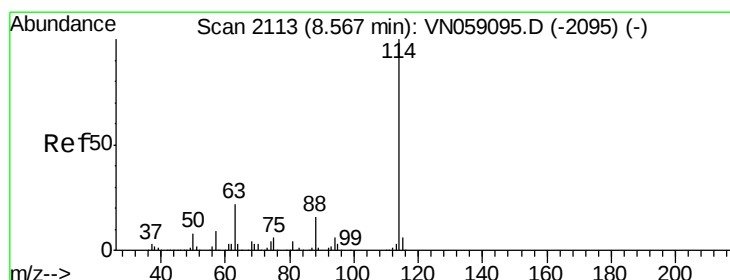
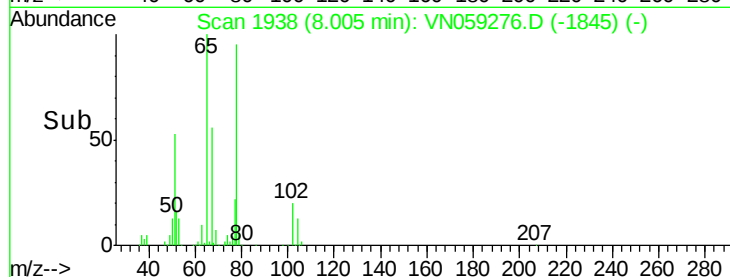
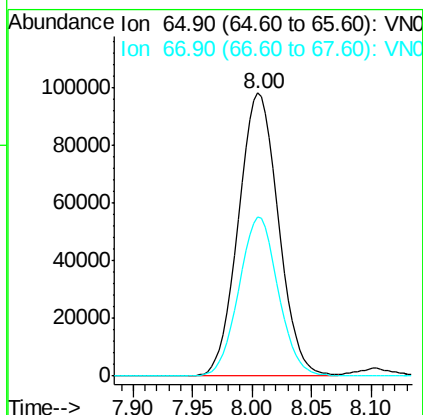
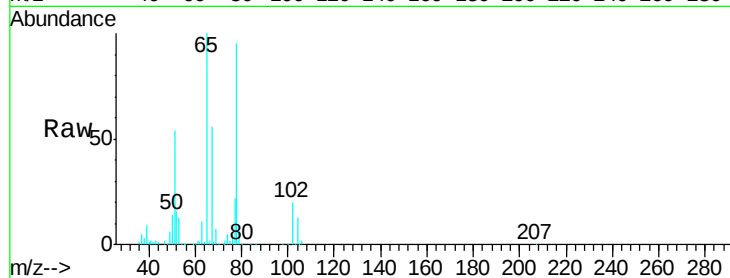




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.220 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

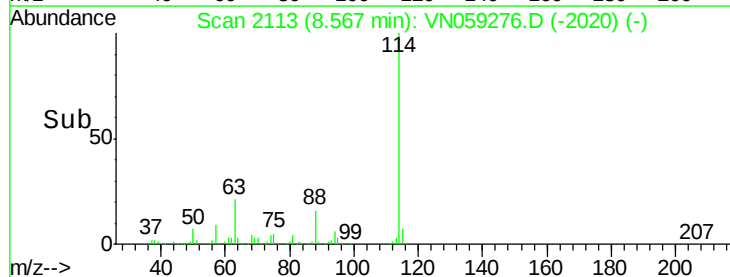
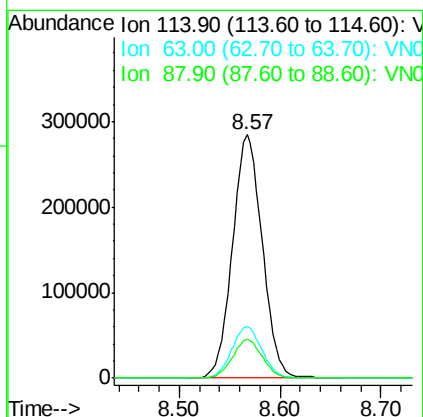
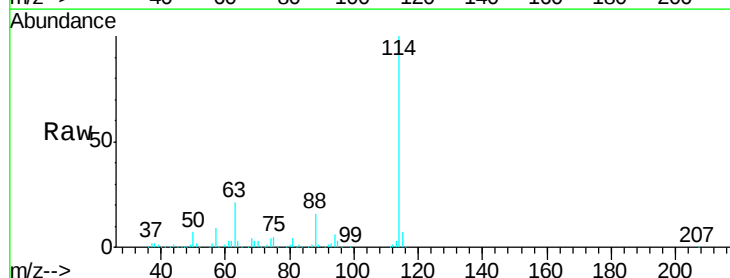
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1118WBS01

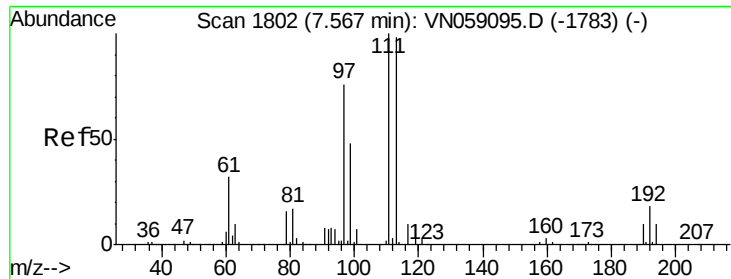
Tgt Ion: 65 Resp: 229681  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion: 114 Resp: 581807  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 43.4  
 88 16.0 0.0 32.2

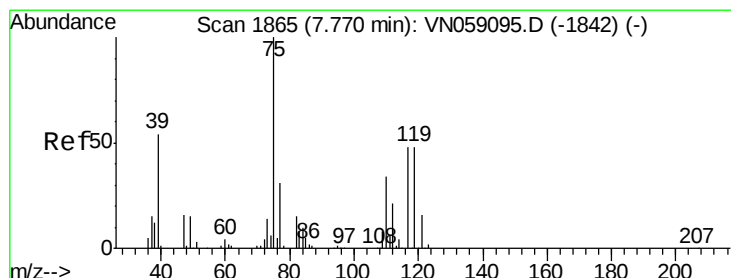
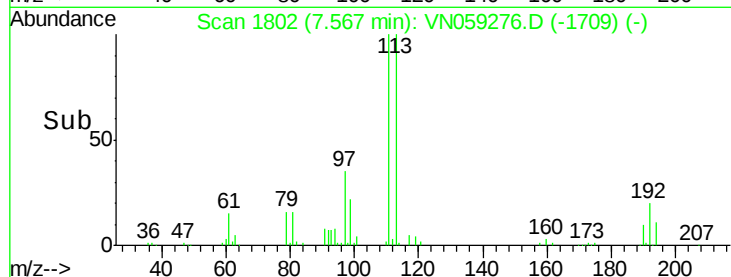
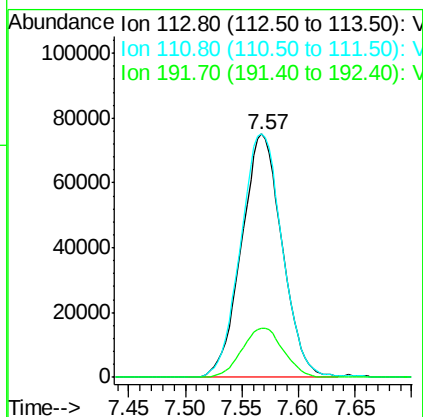
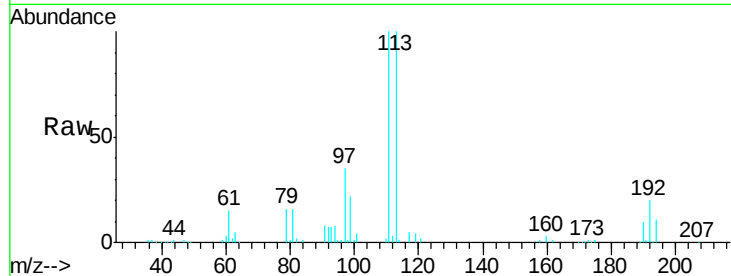




#35  
 Dibromofluoromethane  
 Concen: 53.833 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

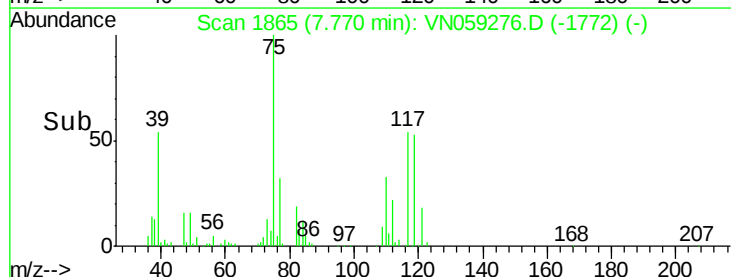
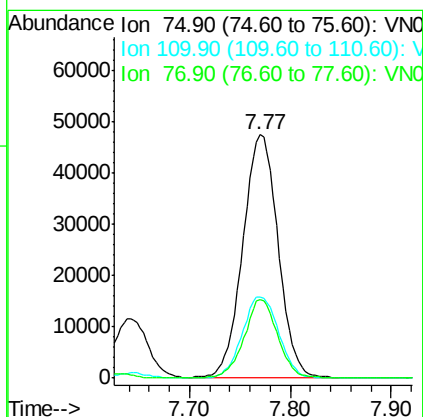
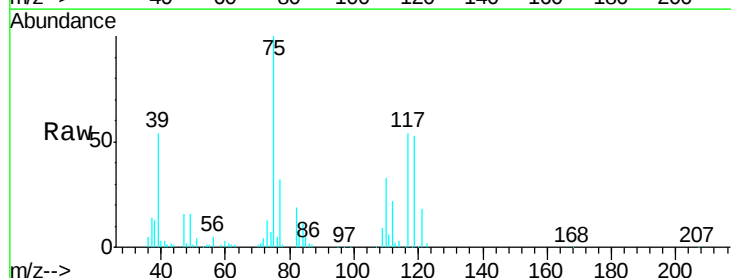
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118WBS01

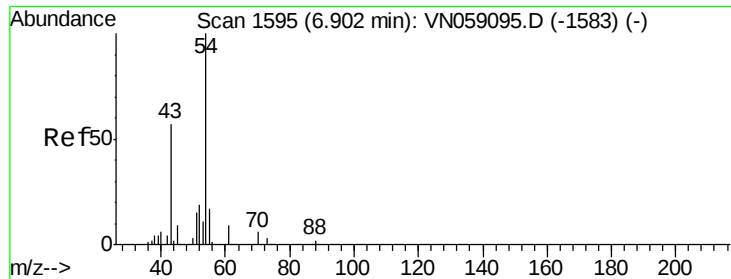
Tgt Ion: 113 Resp: 187015  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 82.8 124.2  
 192 20.7 16.1 24.1



#36  
 1,1-Dichloropropene  
 Concen: 21.187 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion: 75 Resp: 115218  
 Ion Ratio Lower Upper  
 75 100  
 110 34.4 17.1 51.2  
 77 30.6 24.8 37.2





#37

Ethyl Acetate

Concen: 21.879 ug/l

RT: 6.90 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

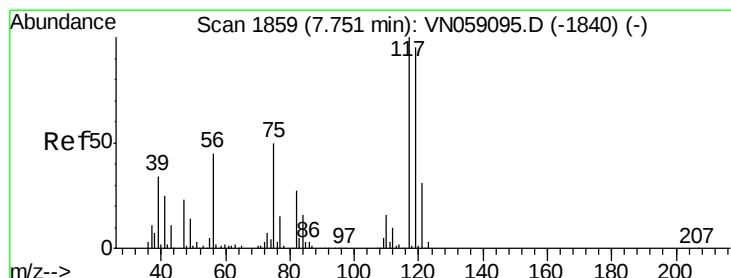
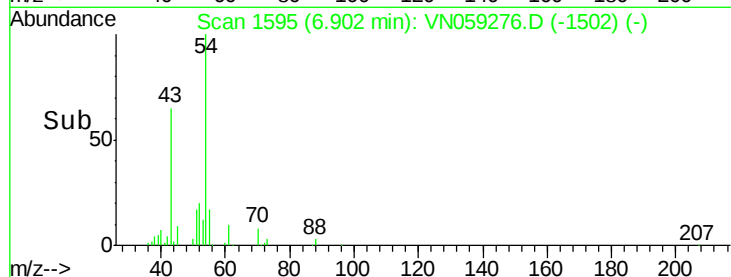
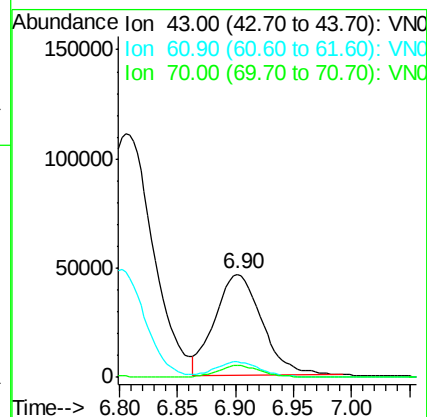
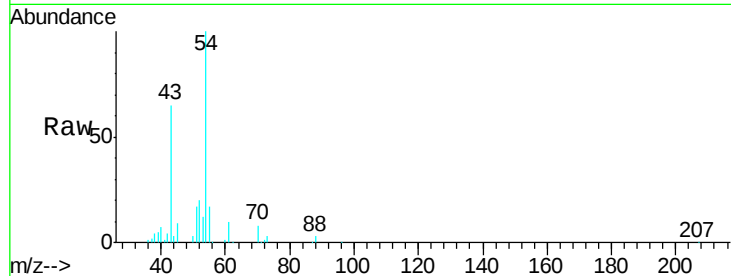
Tgt Ion: 43 Resp: 132365

Ion Ratio Lower Upper

43 100

61 14.9 11.2 16.8

70 10.7 7.8 11.8



#38

Carbon Tetrachloride

Concen: 21.358 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

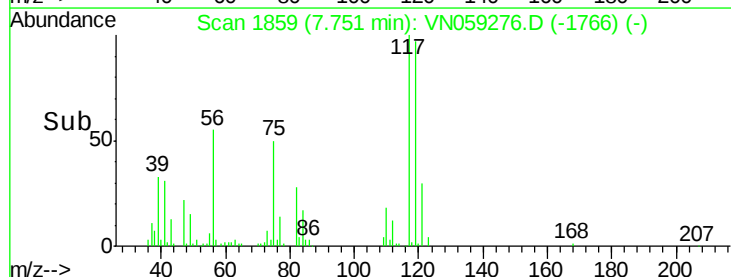
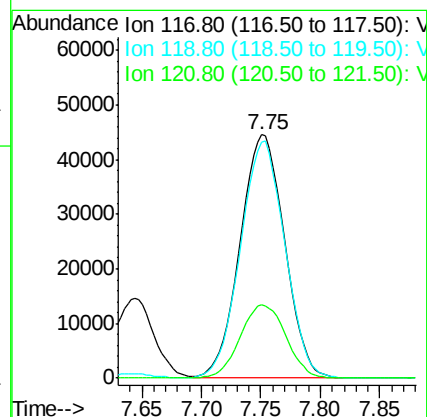
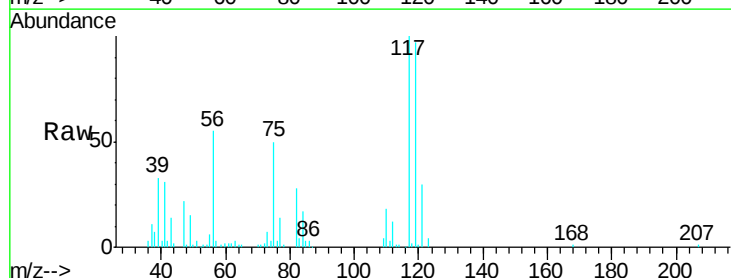
Tgt Ion: 117 Resp: 115603

Ion Ratio Lower Upper

117 100

119 97.2 75.6 113.4

121 30.1 24.6 36.8

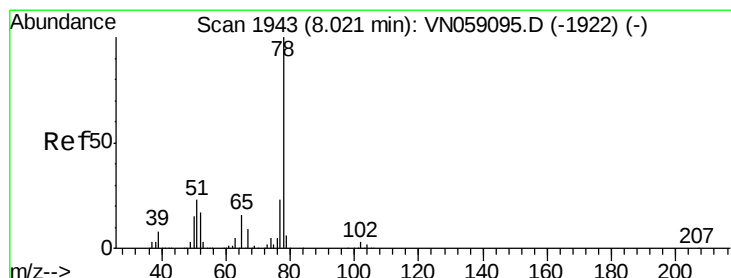
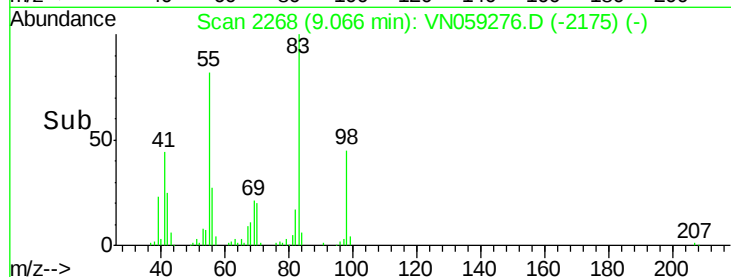
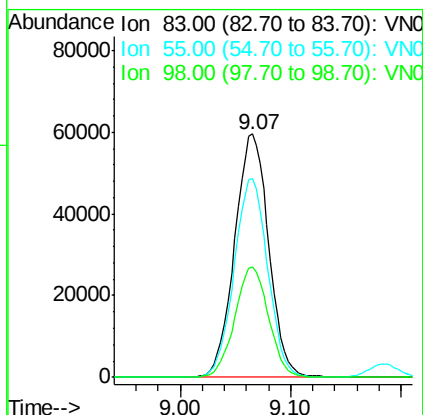
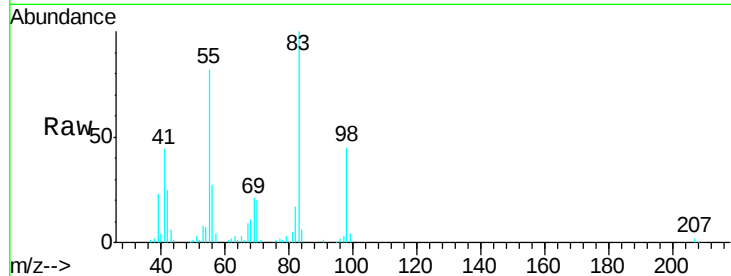




#39  
Methylcyclohexane  
Concen: 20.149 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

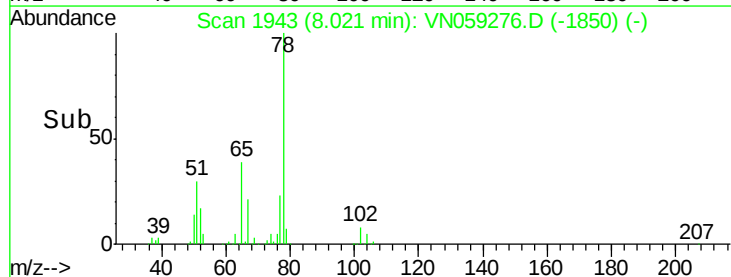
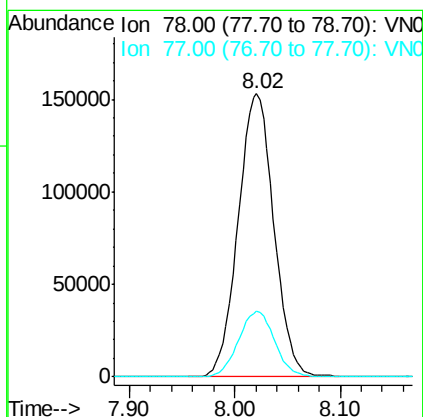
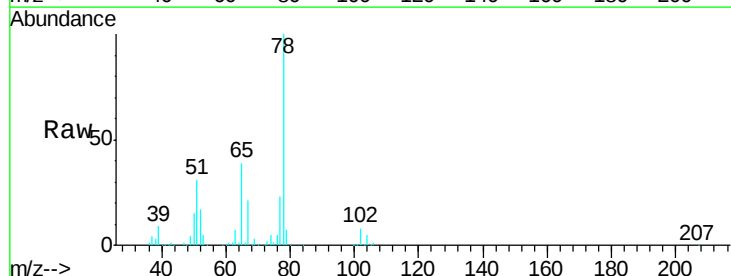
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

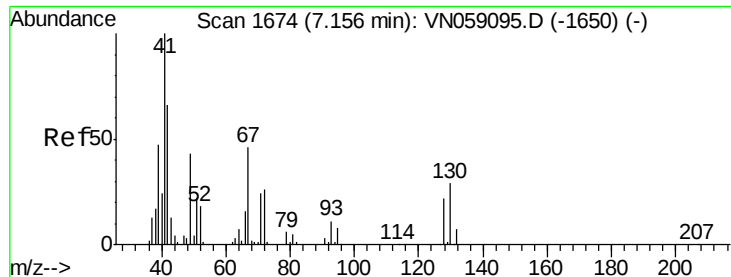
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.9  | 63.9  | 95.9  |
| 98      | 45.3  | 35.6  | 53.4  |



#40  
Benzene  
Concen: 21.986 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 18.8  | 28.2  |

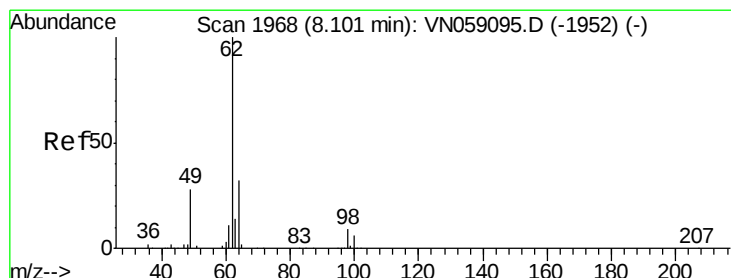
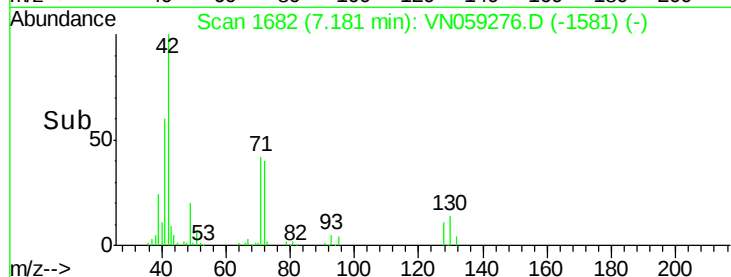
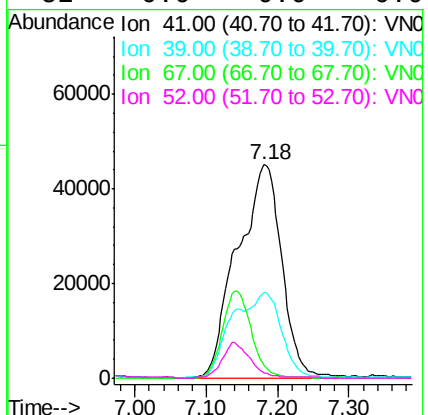
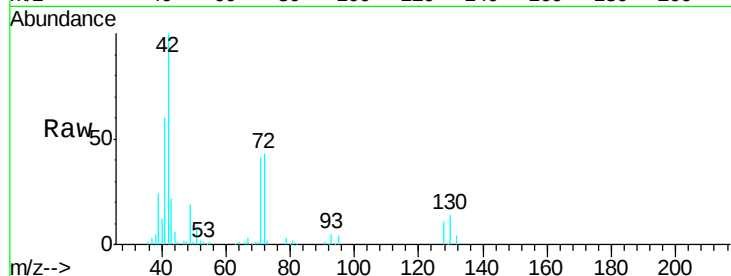




#41  
Methacrylonitrile  
Concen: 74.157 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. 0.03 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

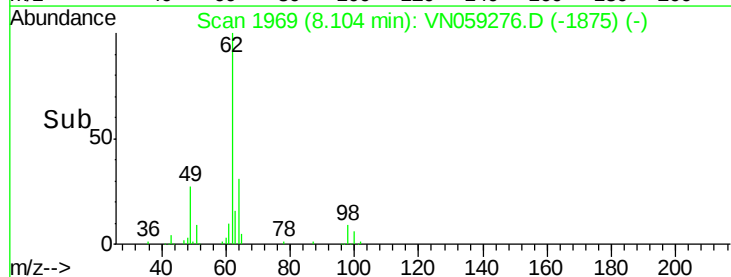
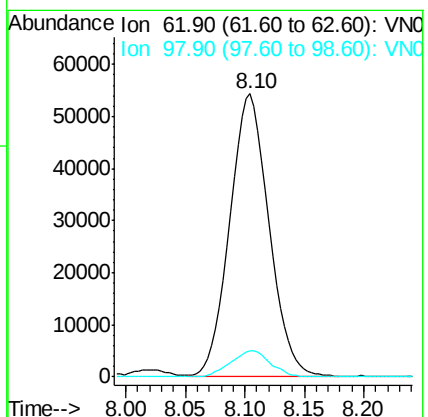
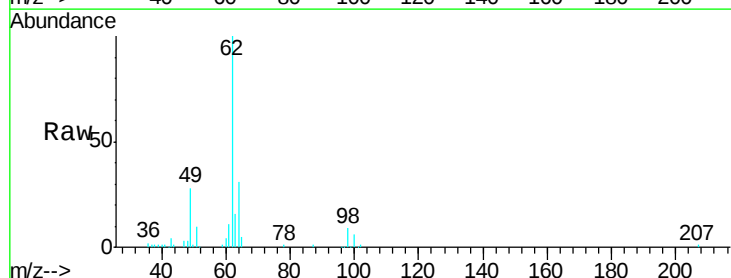
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1118WBS01

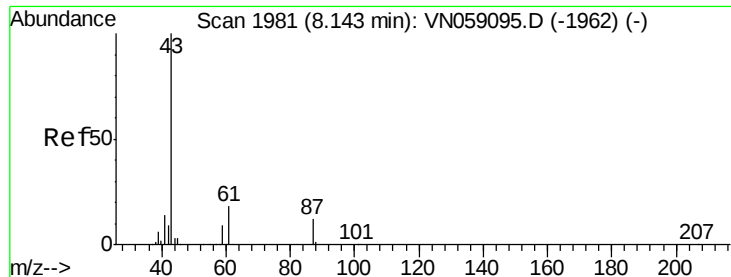
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 195087 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 0.0   | 0.0   | 0.0    |
| 67       | 0.0   | 0.0   | 0.0    |
| 52       | 0.0   | 0.0   | 0.0    |



#42  
1,2-Dichloroethane  
Concen: 21.915 ug/l  
RT: 8.10 min Scan# 1969  
Delta R.T. 0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 123089 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.4   | 0.0   | 17.8   |

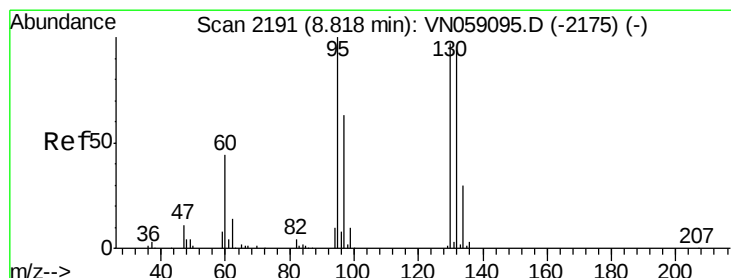
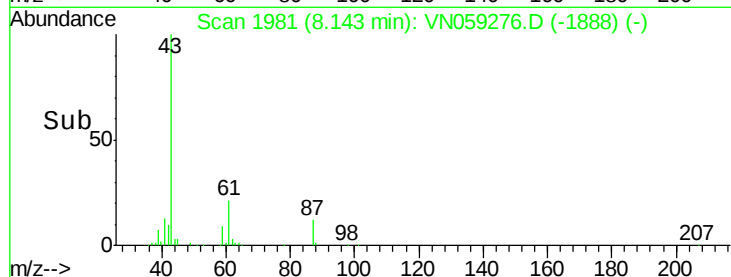
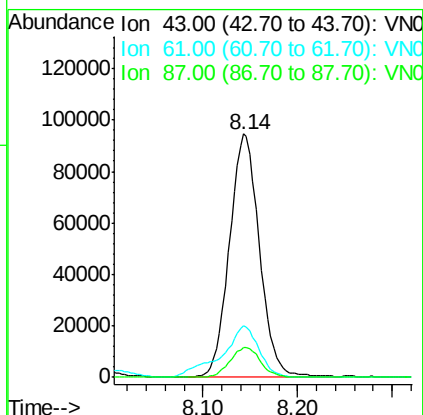
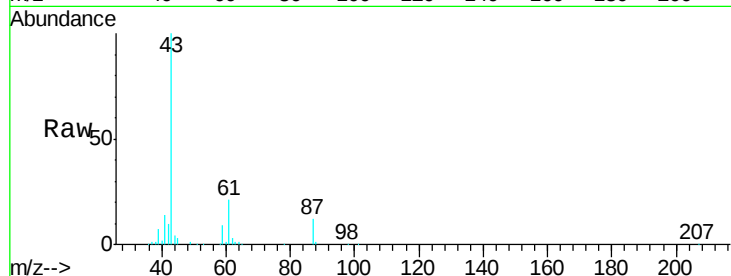




#43  
Isopropyl Acetate  
Concen: 21.672 ug/l  
RT: 8.14 min Scan# 1981  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

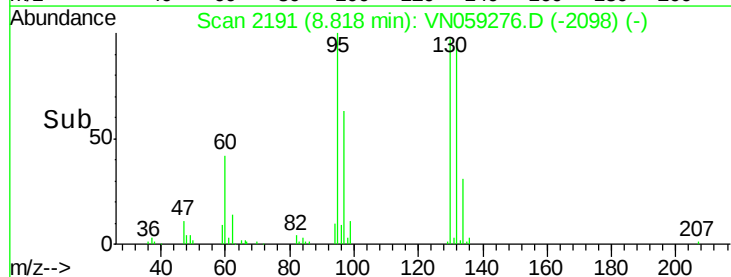
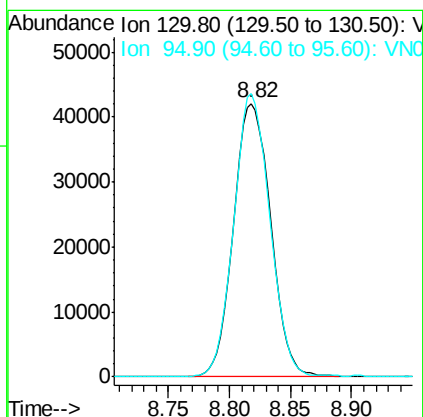
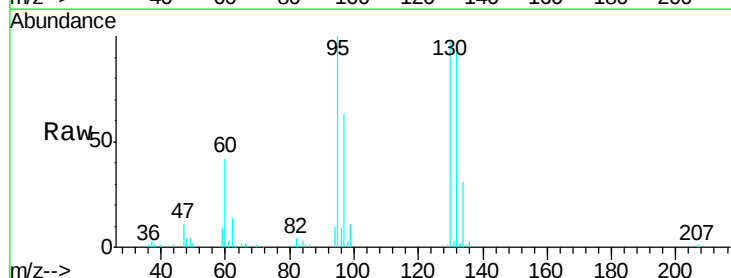
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

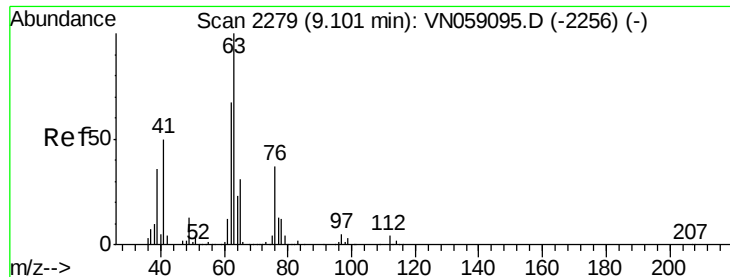
Tgt Ion: 43 Resp: 209021  
Ion Ratio Lower Upper  
43 100  
61 26.5 21.0 31.6  
87 12.5 9.8 14.6



#44  
Trichloroethene  
Concen: 22.148 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion: 130 Resp: 89157  
Ion Ratio Lower Upper  
130 100  
95 103.4 0.0 206.4





#45

1,2-Dichloropropane

Concen: 22.504 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampled :

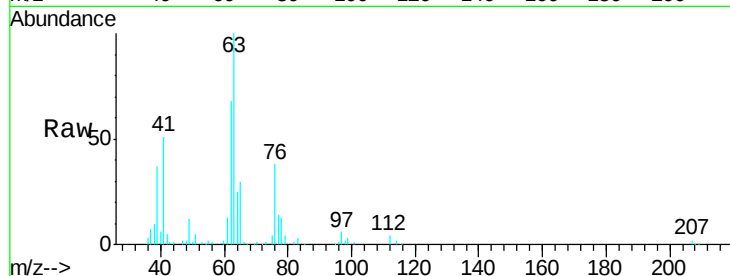
VN1118WBS01

Tgt Ion: 63 Resp: 100098

Ion Ratio Lower Upper

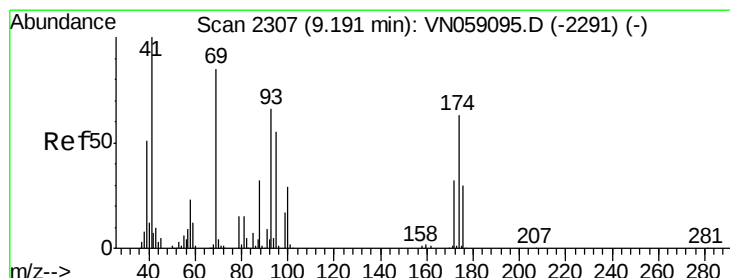
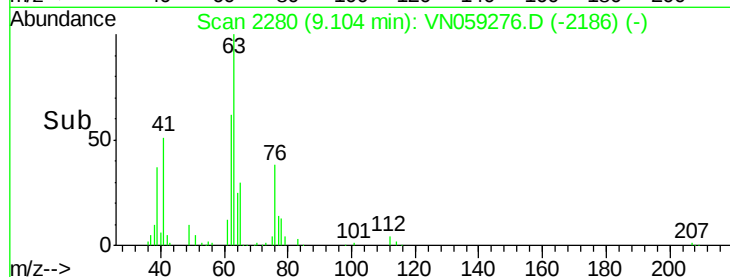
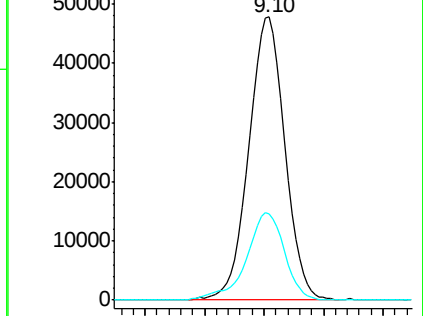
63 100

65 30.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 22.029 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

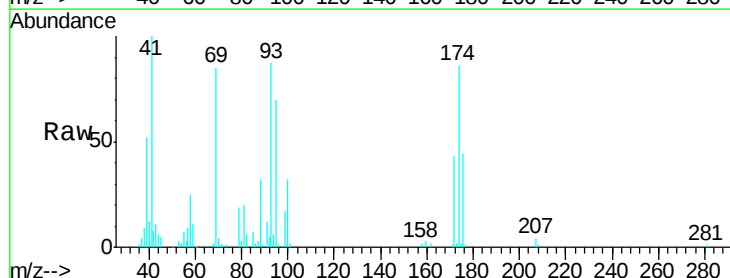
Tgt Ion: 93 Resp: 61060

Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

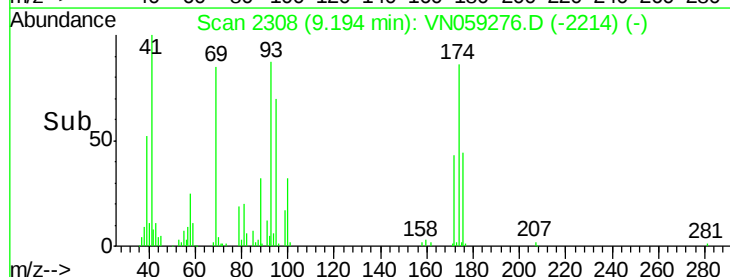
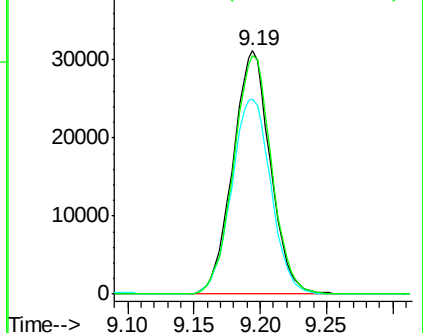
174 99.5 78.2 117.2

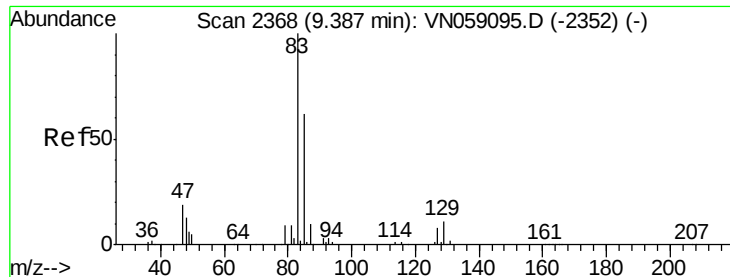


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.934 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

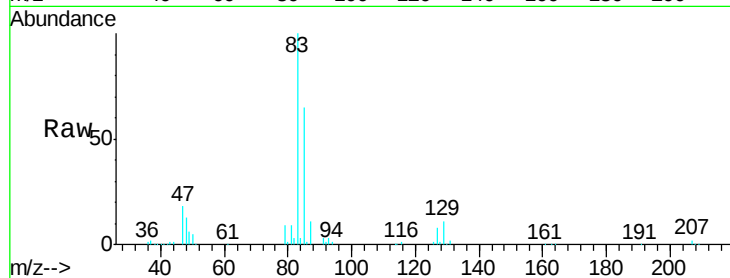
Tgt Ion: 83 Resp: 126936

Ion Ratio Lower Upper

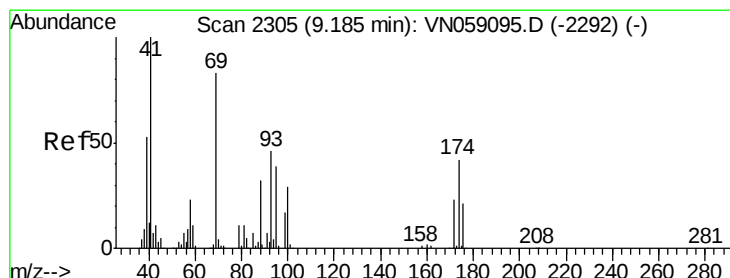
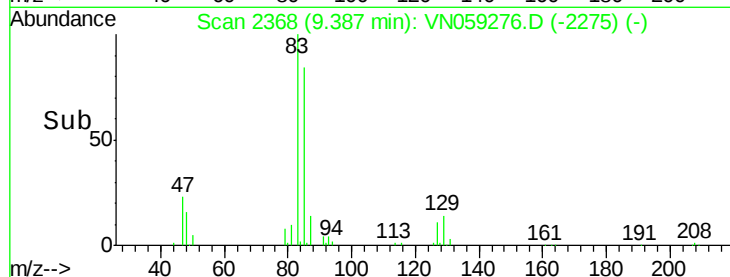
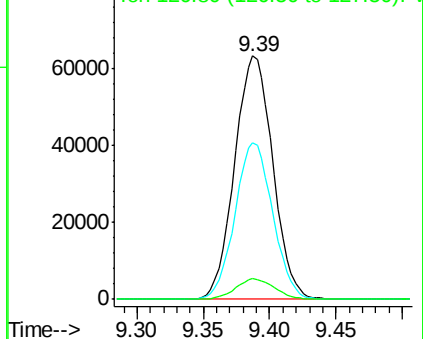
83 100

85 64.6 49.7 74.5

127 8.4 6.4 9.6



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



#48

Methyl methacrylate

Concen: 21.513 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

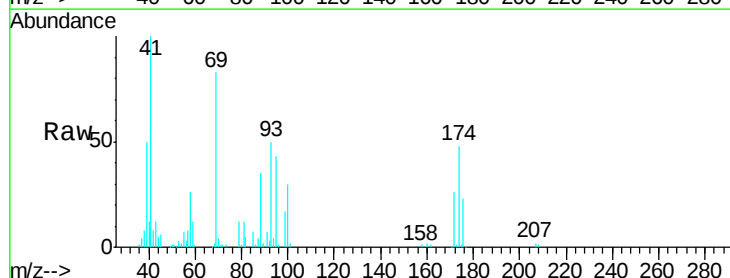
Tgt Ion: 41 Resp: 92809

Ion Ratio Lower Upper

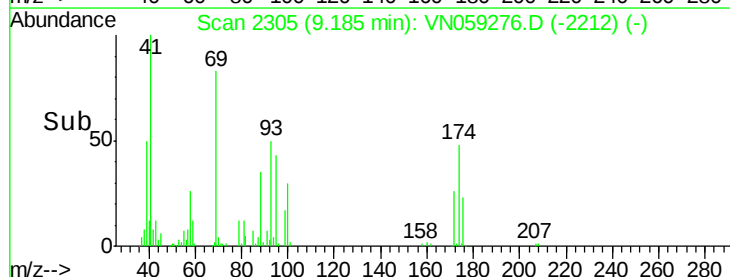
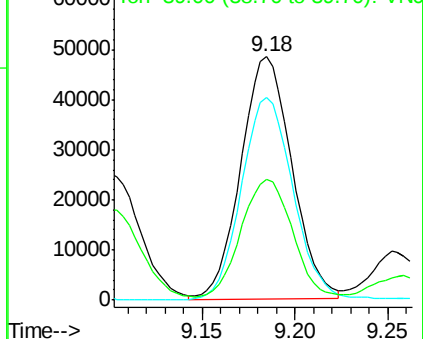
41 100

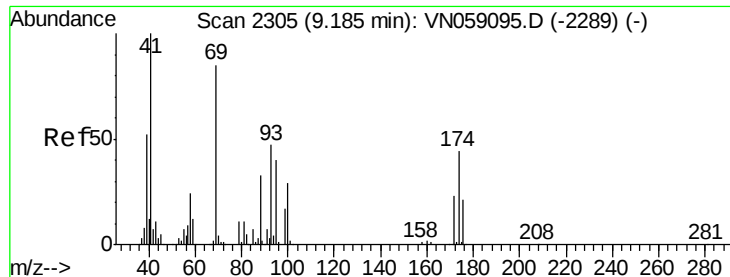
69 85.2 67.3 100.9

39 50.6 43.3 64.9



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

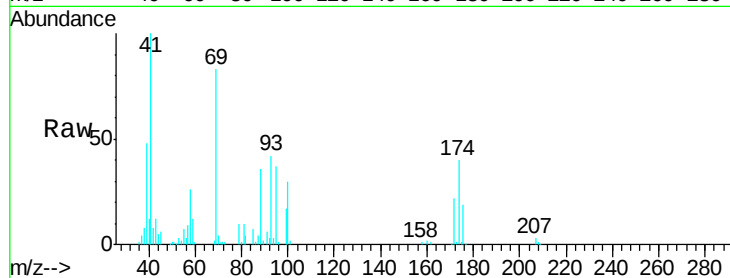




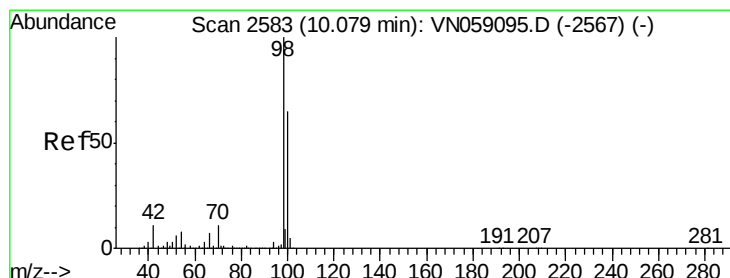
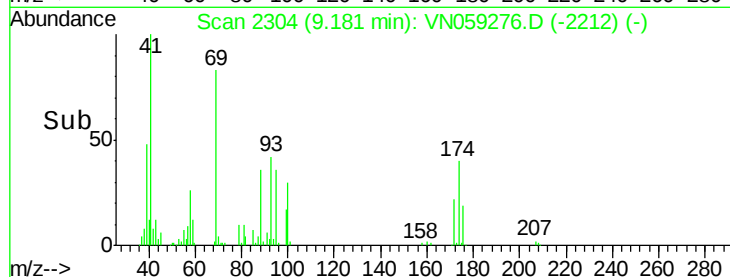
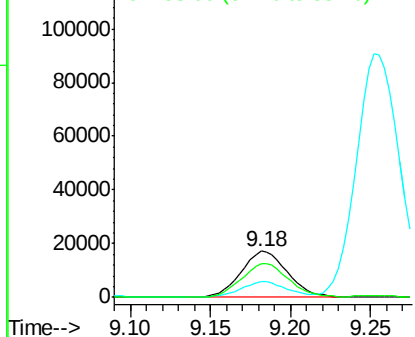
#49  
1,4-Dioxane  
Concen: 445.186 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

Tgt Ion: 88 Resp: 34132  
Ion Ratio Lower Upper  
88 100  
43 33.7 26.3 39.5  
58 74.8 60.6 90.8

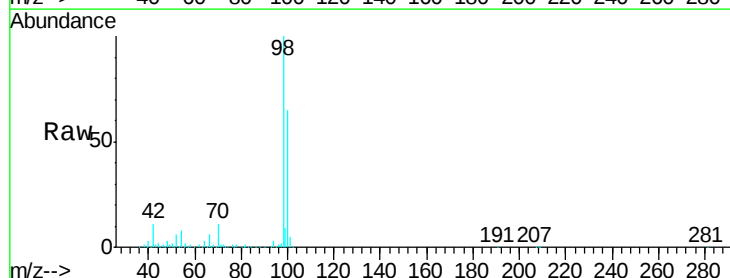


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

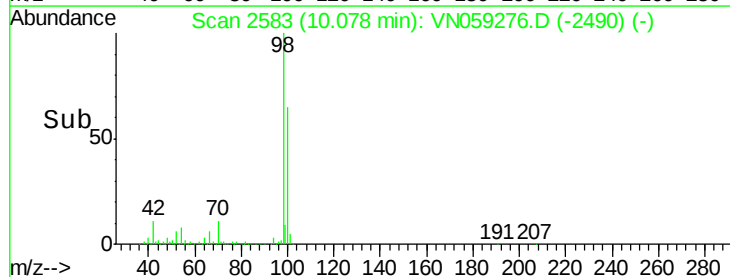
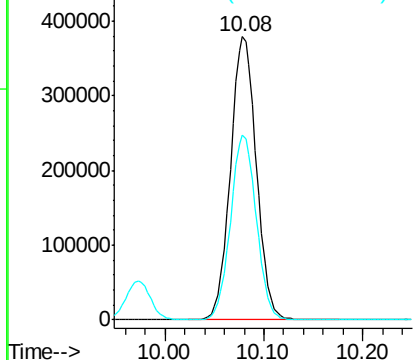


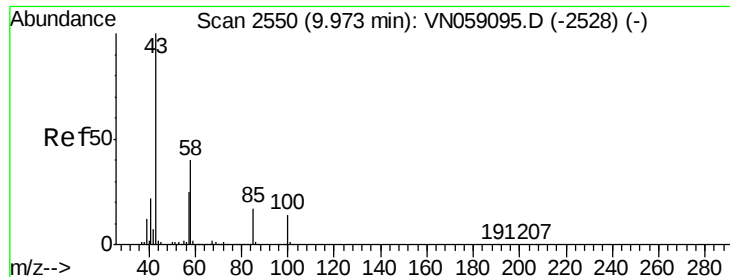
#50  
Toluene-d8  
Concen: 50.653 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion: 98 Resp: 693121  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.2



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

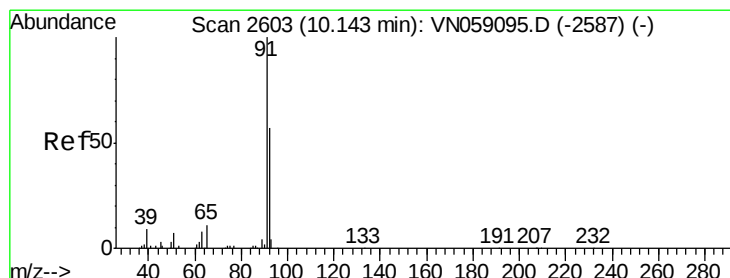
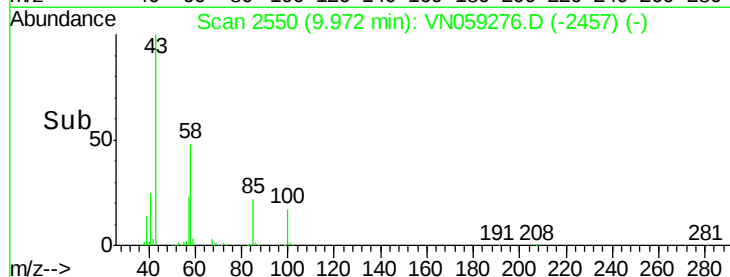
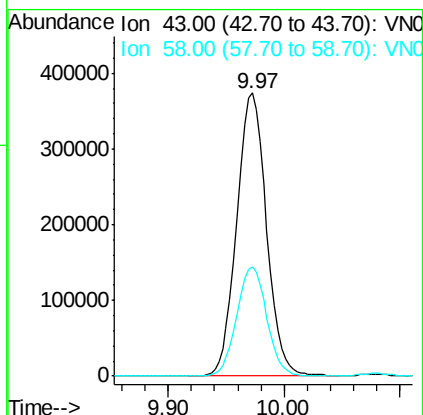
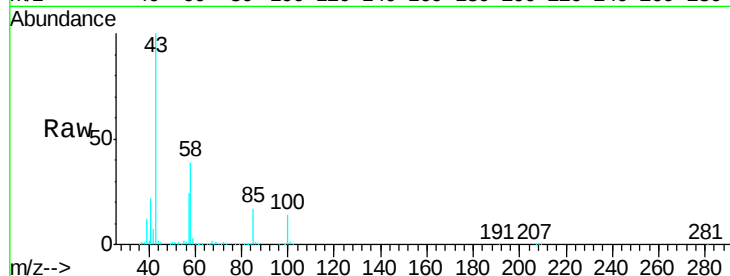




#51  
 4-Methyl-2-Pentanone  
 Concen: 122.095 ug/l  
 RT: 9.97 min Scan# 2550  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

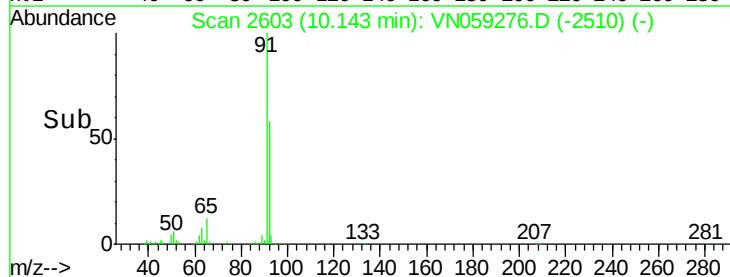
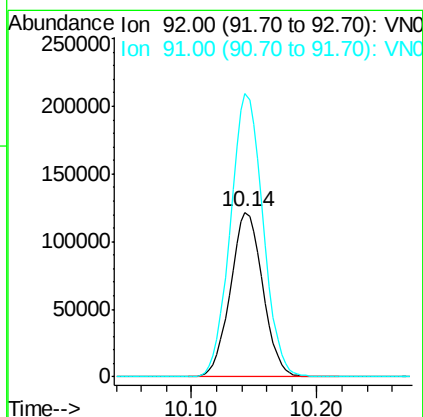
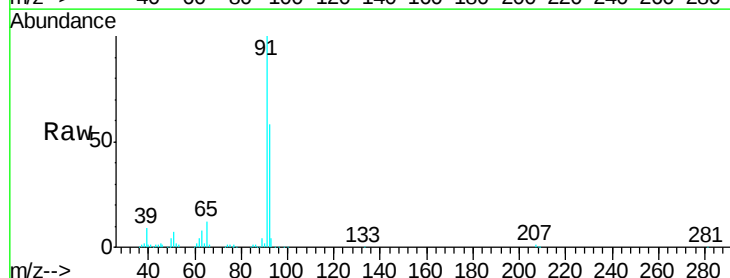
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118WBS01

Tgt Ion: 43 Resp: 666318  
 Ion Ratio Lower Upper  
 43 100  
 58 38.9 31.5 47.3



#52  
 Toluene  
 Concen: 22.187 ug/l  
 RT: 10.14 min Scan# 2603  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion: 92 Resp: 217774  
 Ion Ratio Lower Upper  
 92 100  
 91 173.8 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 22.088 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

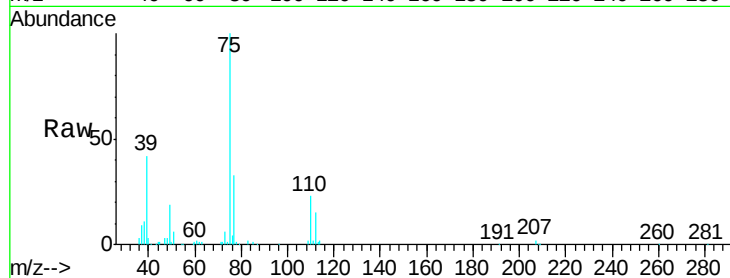
VN1118WBS01

Tgt Ion: 75 Resp: 141242

Ion Ratio Lower Upper

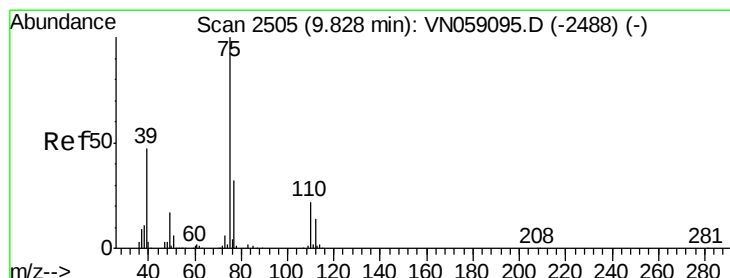
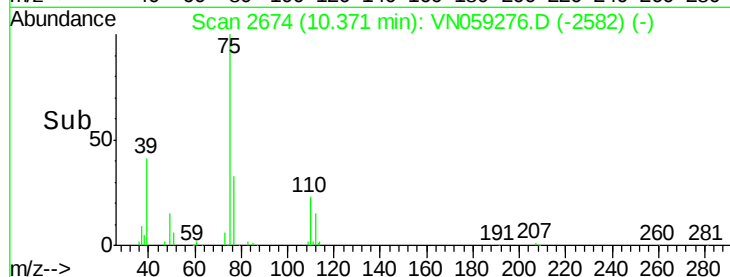
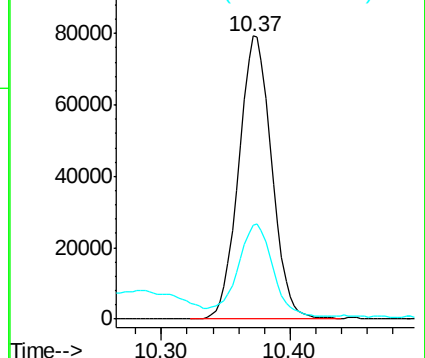
75 100

77 31.7 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 22.470 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

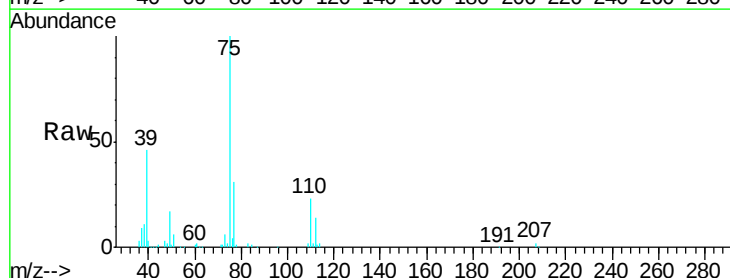
Tgt Ion: 75 Resp: 154562

Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

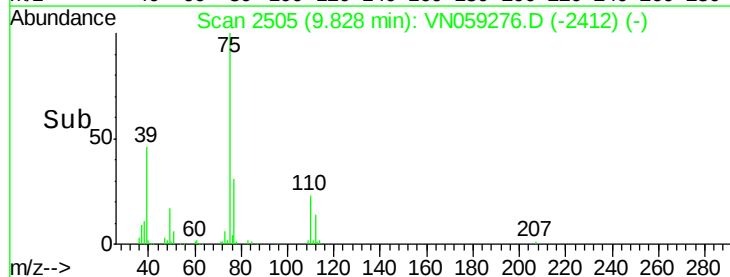
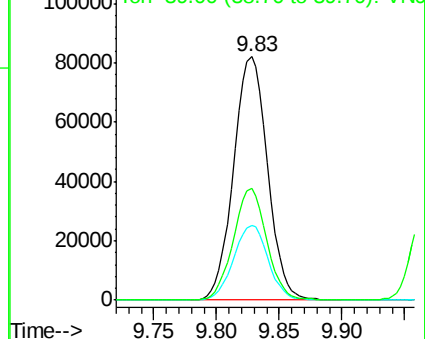
39 45.5 37.3 55.9

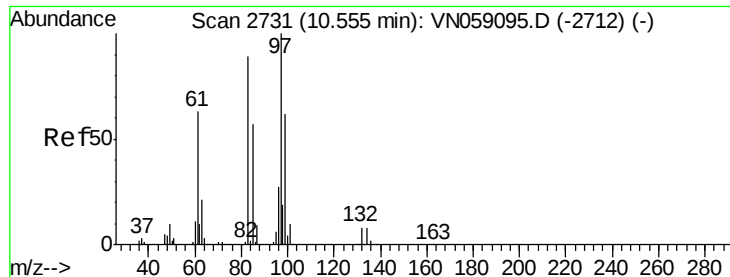


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 23.095 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

Tgt Ion: 97 Resp: 91743

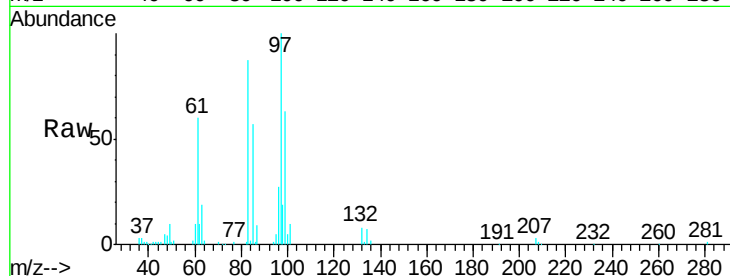
Ion Ratio Lower Upper

97 100

83 87.4 71.0 106.4

85 56.8 45.8 68.8

99 62.6 49.4 74.0

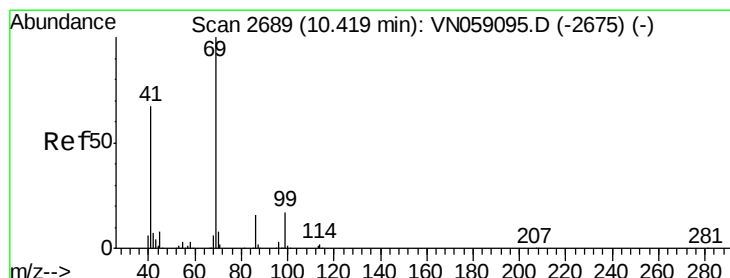
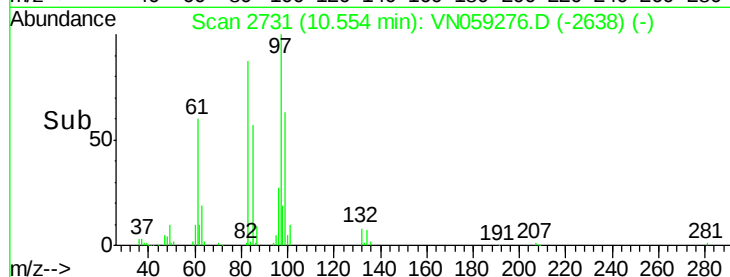
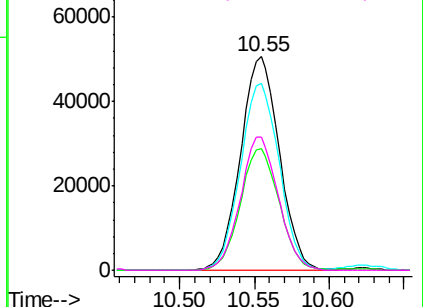


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.735 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

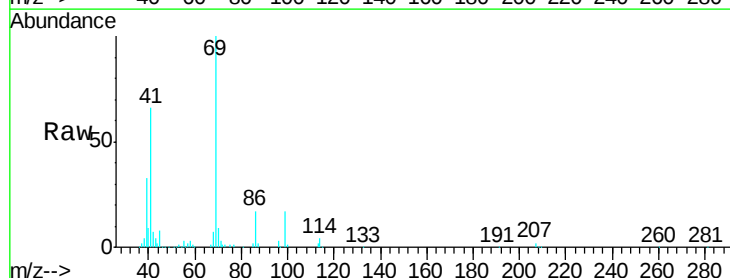
Tgt Ion: 69 Resp: 129833

Ion Ratio Lower Upper

69 100

41 65.2 53.6 80.4

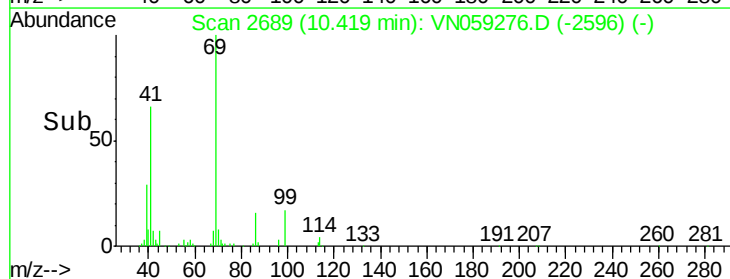
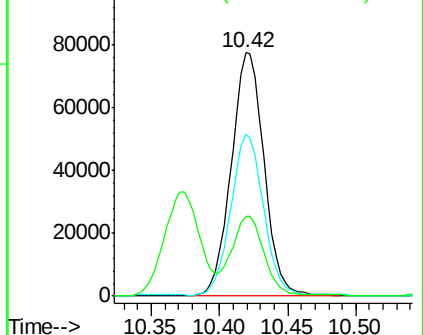
39 32.3 26.2 39.4

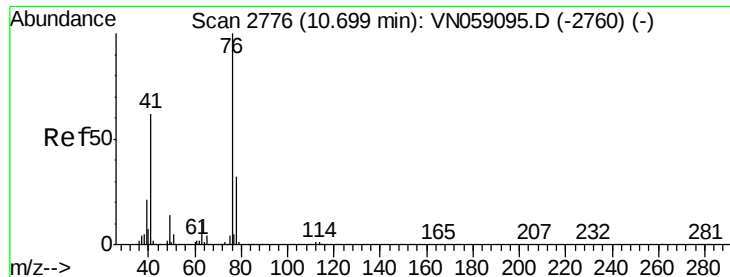


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.963 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampled :

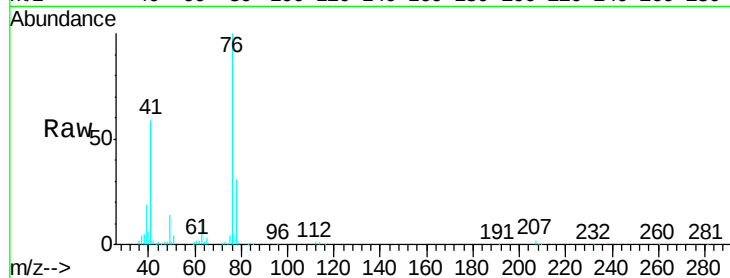
VN1118WBS01

Tgt Ion: 76 Resp: 156995

Ion Ratio Lower Upper

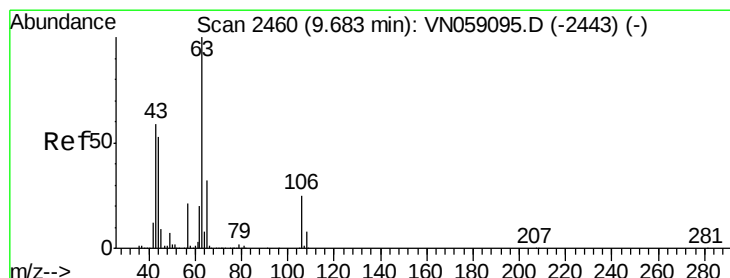
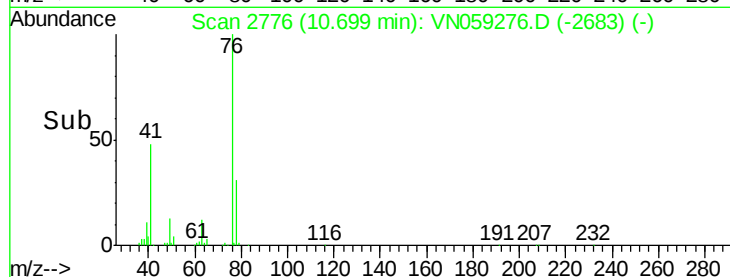
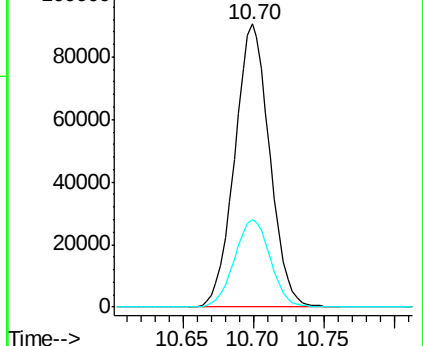
76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 118.075 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059276.D

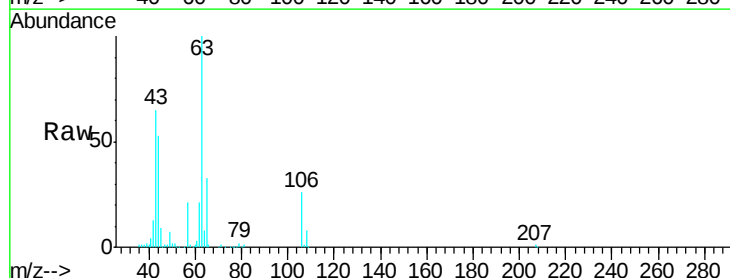
Acq: 18 Nov 2019 12:26

Tgt Ion: 63 Resp: 261034

Ion Ratio Lower Upper

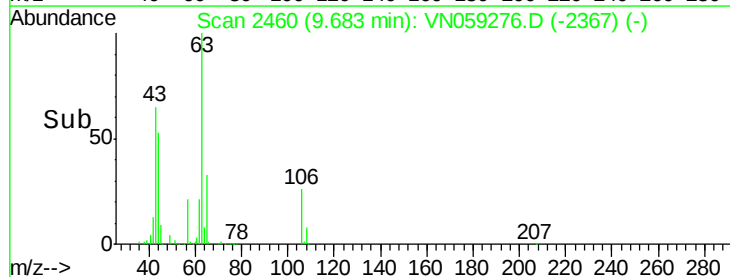
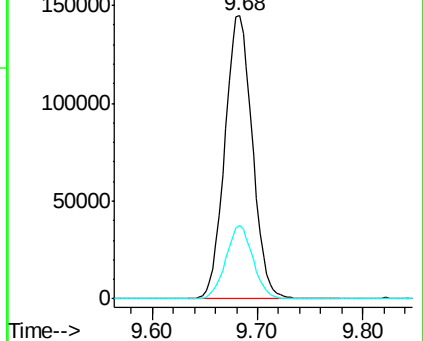
63 100

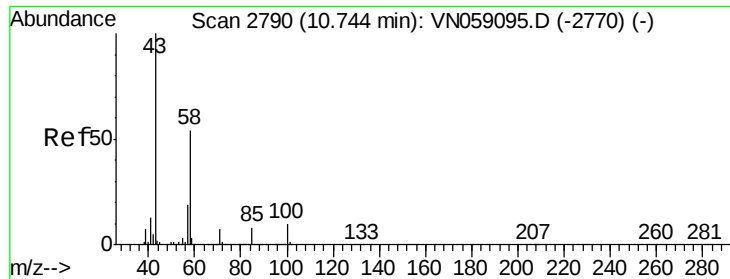
106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

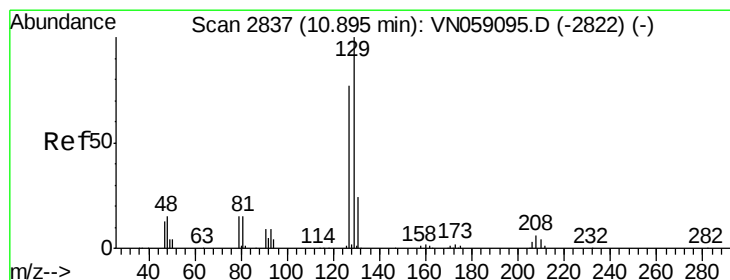
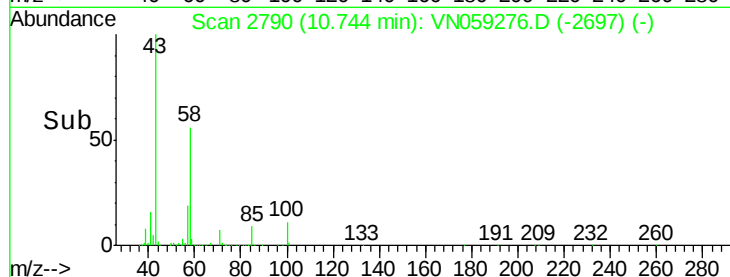
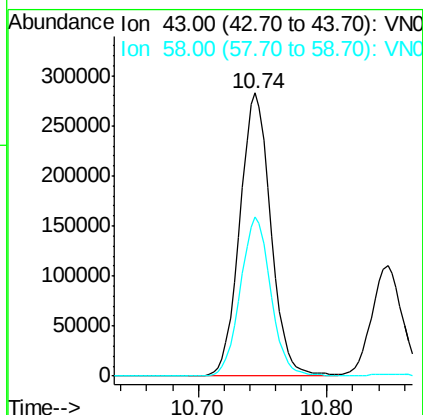
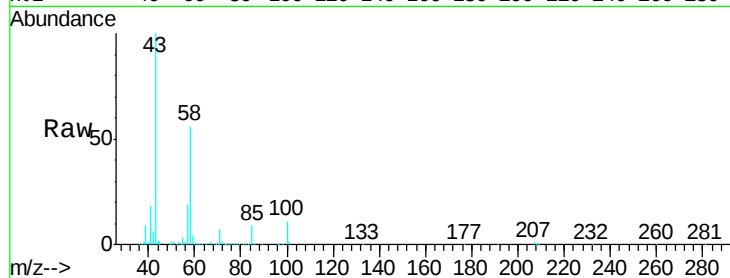




#59  
2-Hexanone  
Concen: 112.578 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

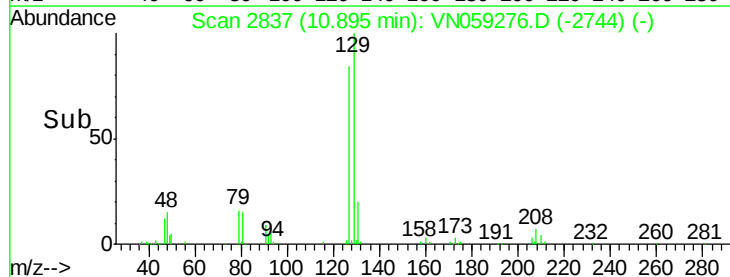
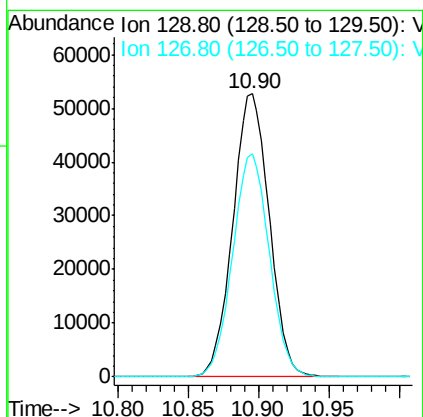
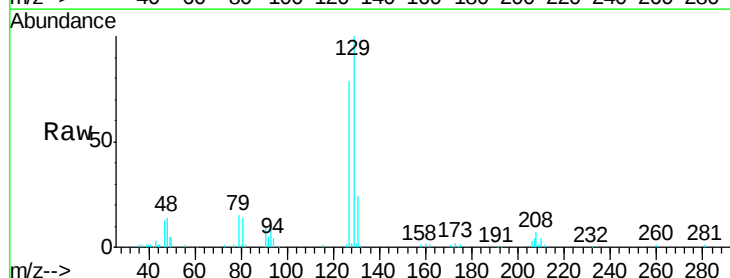
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

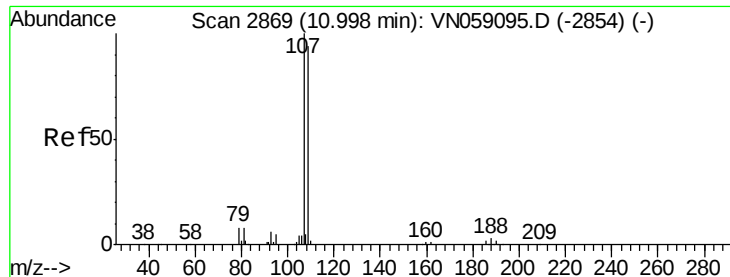
Tgt Ion: 43 Resp: 471564  
Ion Ratio Lower Upper  
43 100  
58 55.5 27.3 81.8



#60  
Dibromochloromethane  
Concen: 22.767 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion: 129 Resp: 95622  
Ion Ratio Lower Upper  
129 100  
127 79.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 22.717 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

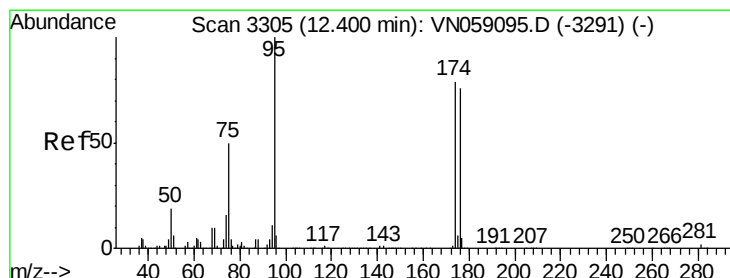
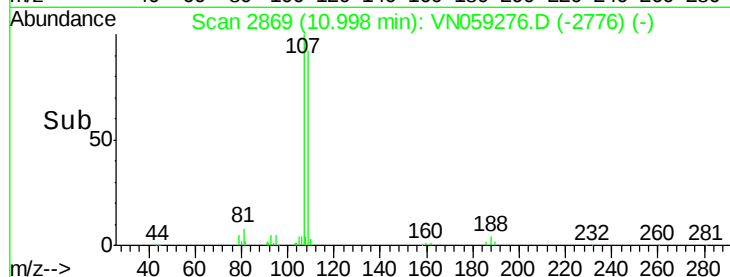
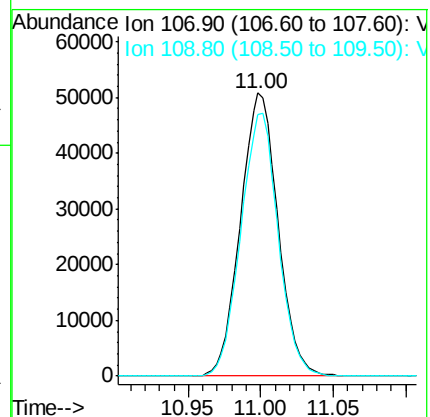
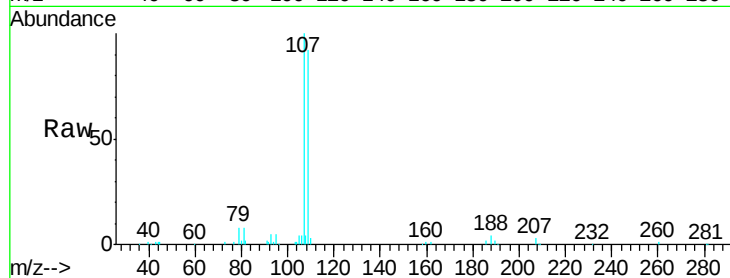
VN1118WBS01

Tgt Ion: 107 Resp: 91353

Ion Ratio Lower Upper

107 100

109 92.4 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 51.563 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

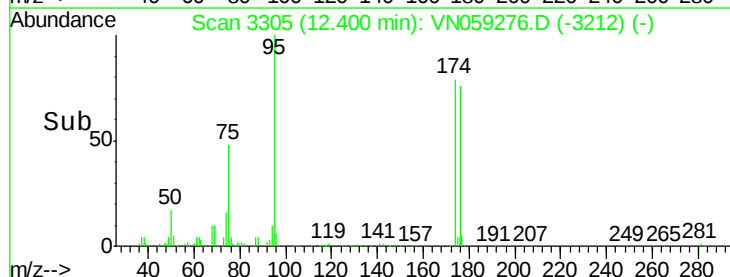
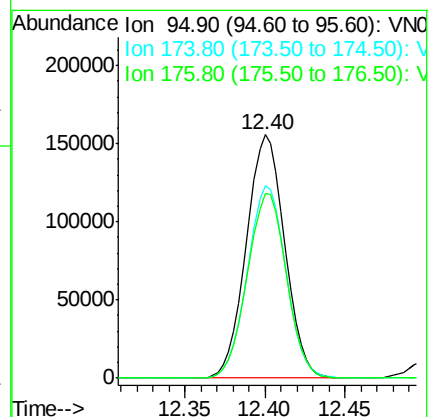
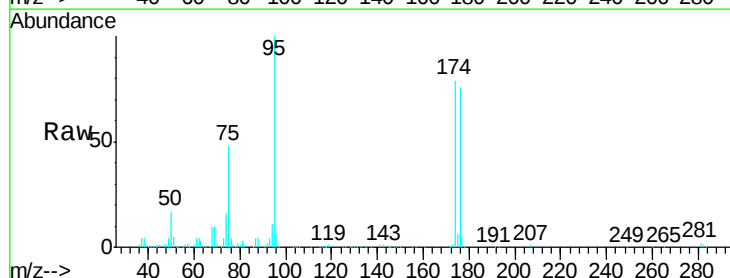
Tgt Ion: 95 Resp: 254402

Ion Ratio Lower Upper

95 100

174 79.6 0.0 158.2

176 77.5 0.0 151.8

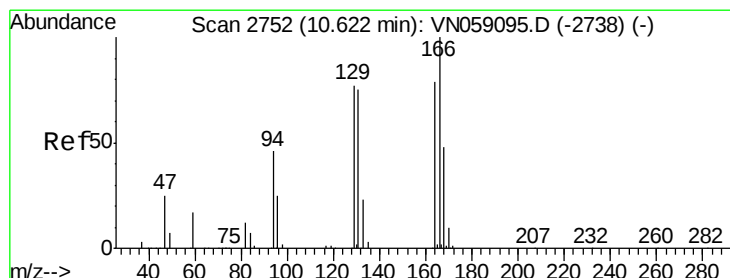
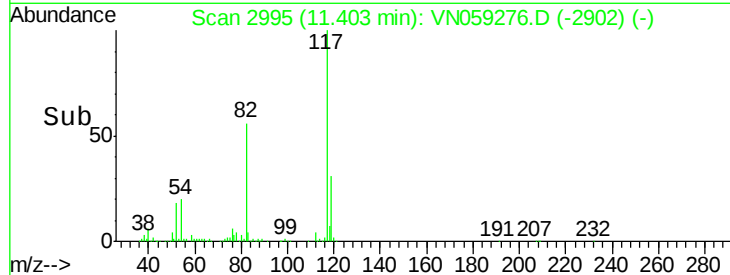
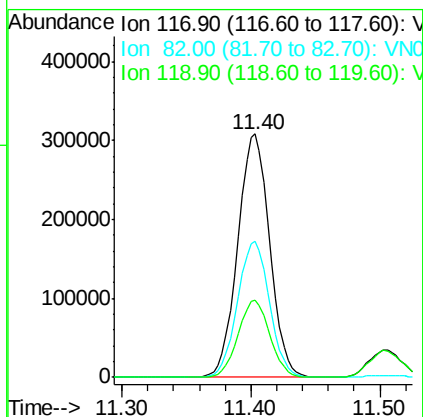
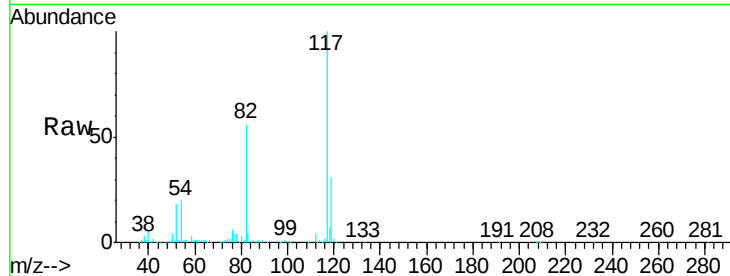




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

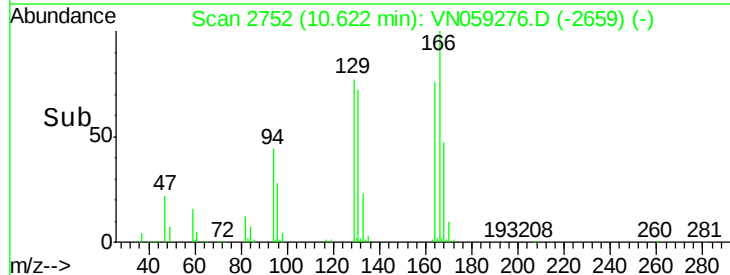
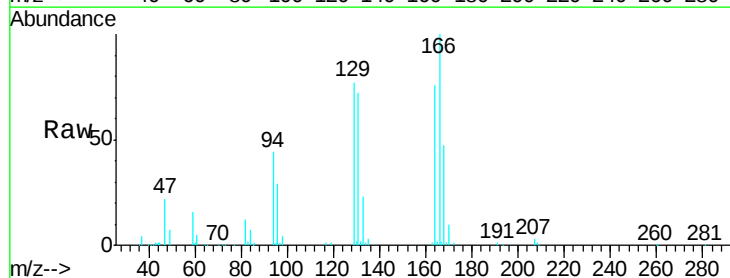
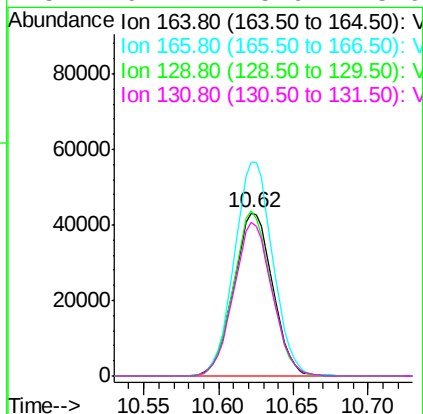
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.8  | 45.8  | 68.8  |
| 119     | 31.5  | 25.8  | 38.6  |



#64  
Tetrachloroethene  
Concen: 21.777 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.1 | 101.5 | 152.3 |
| 129     | 101.2 | 78.3  | 117.5 |
| 131     | 94.2  | 75.9  | 113.9 |





#65

Chlorobenzene

Concen: 22.212 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampled :

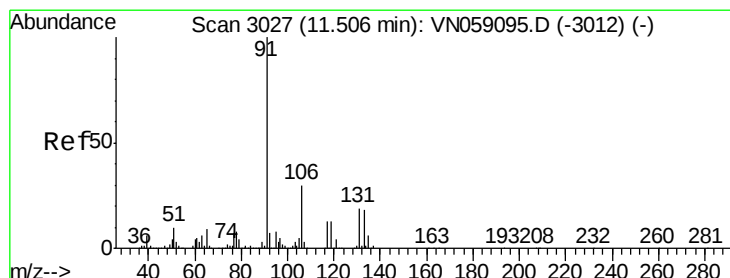
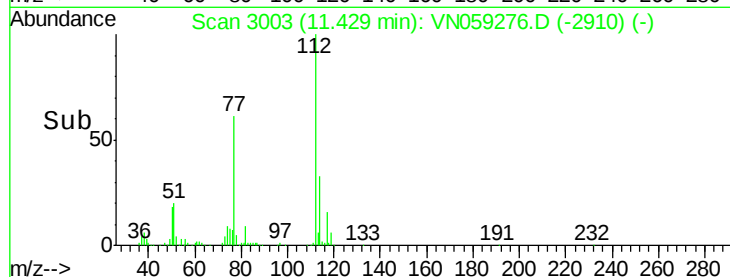
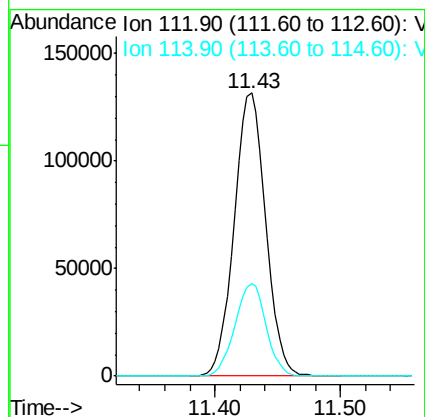
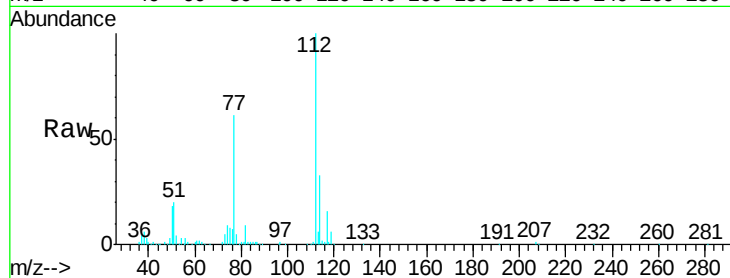
VN1118WBS01

Tgt Ion:112 Resp: 229471

Ion Ratio Lower Upper

112 100

114 32.7 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 23.039 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

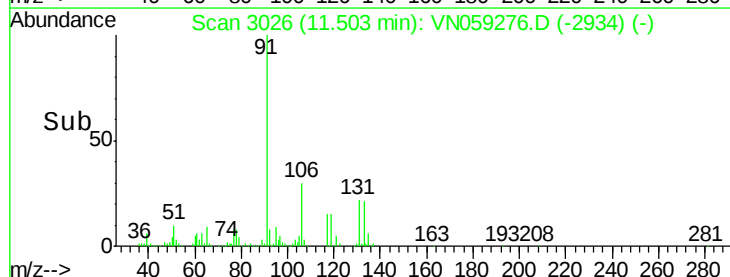
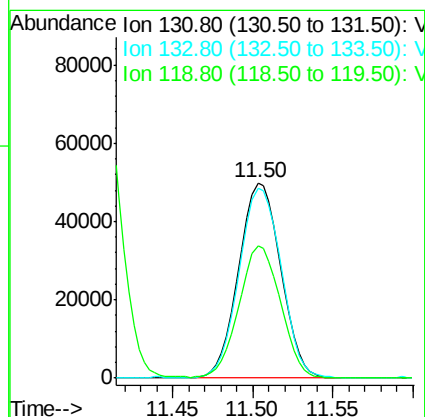
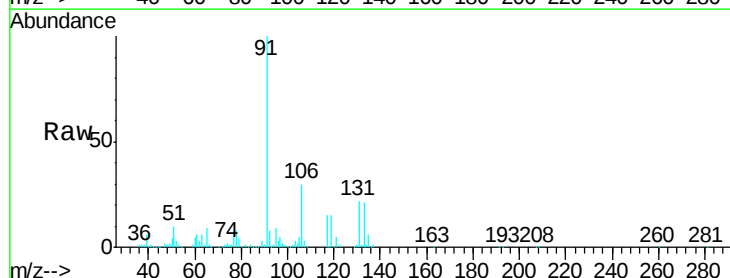
Tgt Ion:131 Resp: 89282

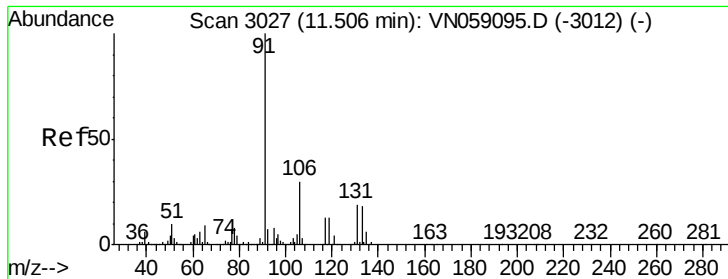
Ion Ratio Lower Upper

131 100

133 98.0 47.4 142.3

119 67.3 33.2 99.6





#67

Ethyl Benzene

Concen: 22.569 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

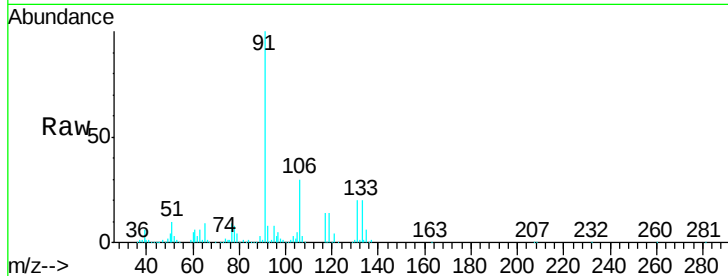
VN1118WBS01

Tgt Ion: 91 Resp: 413666

Ion Ratio Lower Upper

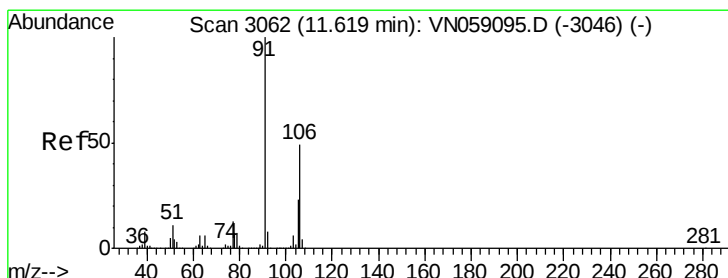
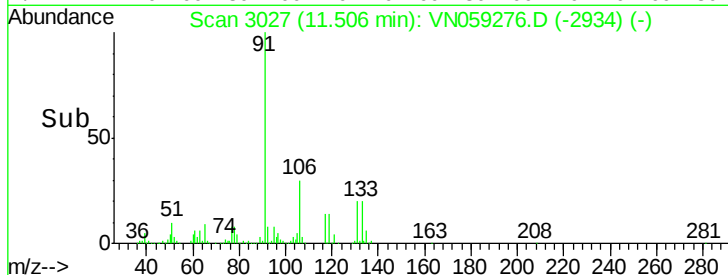
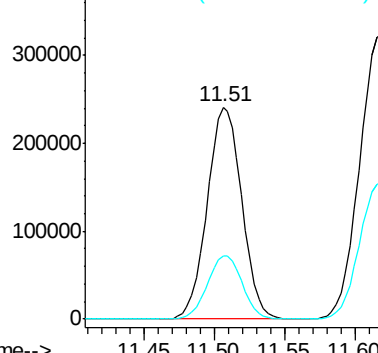
91 100

106 30.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.408 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059276.D

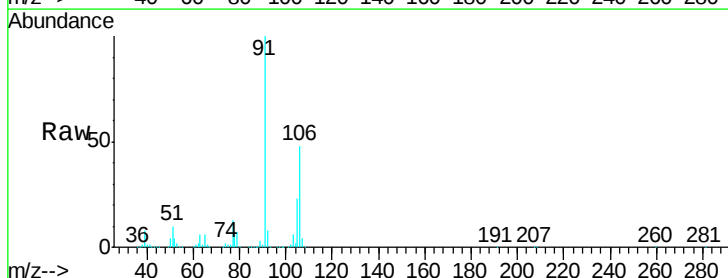
Acq: 18 Nov 2019 12:26

Tgt Ion: 106 Resp: 304900

Ion Ratio Lower Upper

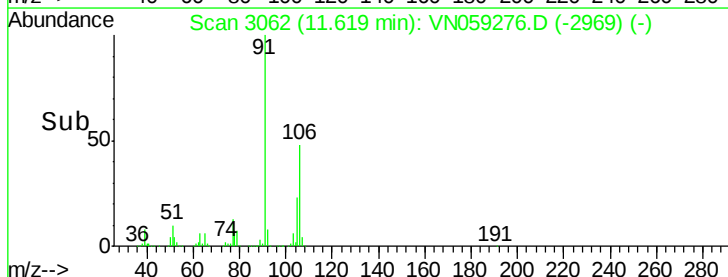
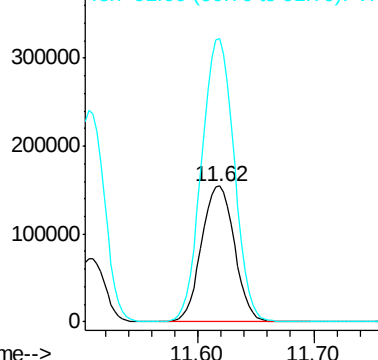
106 100

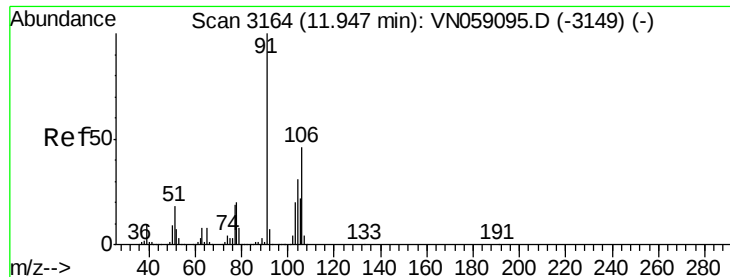
91 205.4 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

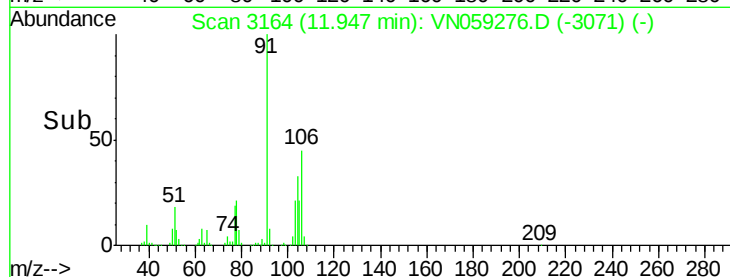
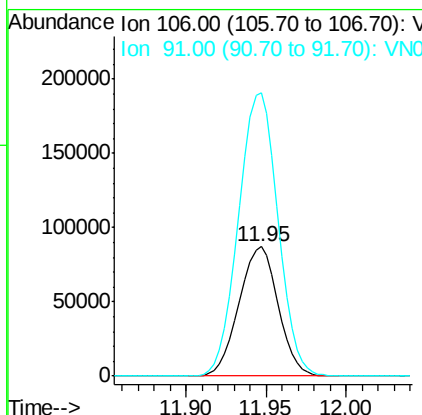
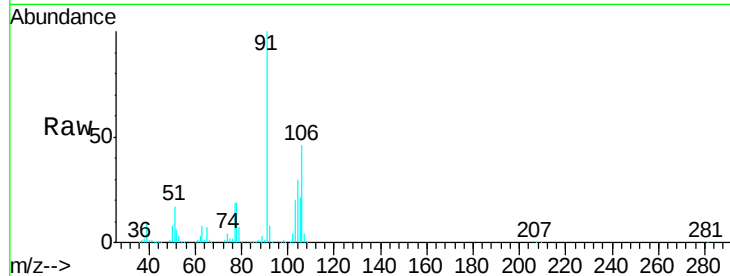




#69  
o-Xylene  
Concen: 21.881 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

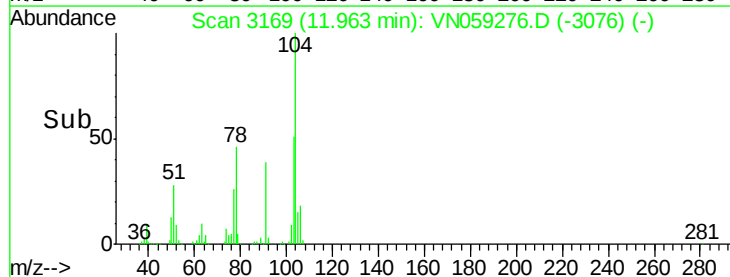
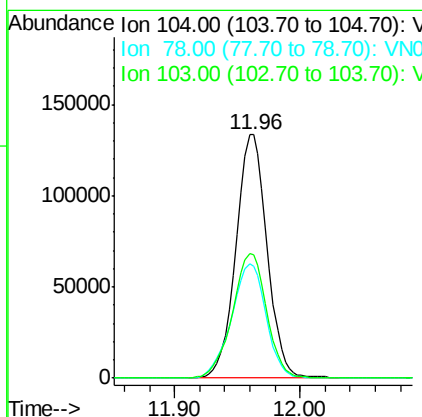
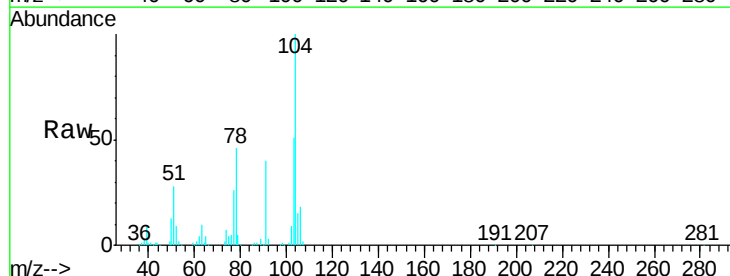
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

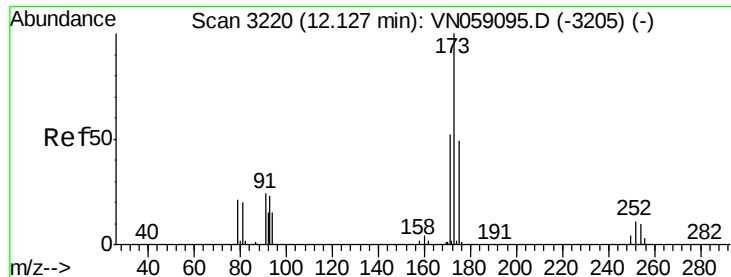
Tgt Ion:106 Resp: 145186  
Ion Ratio Lower Upper  
106 100  
91 221.2 110.1 330.3



#70  
Styrene  
Concen: 22.066 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion:104 Resp: 230267  
Ion Ratio Lower Upper  
104 100  
78 52.3 41.2 61.8  
103 56.3 43.8 65.6





#71

Bromoform

Concen: 22.553 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampled :

VN1118WBS01

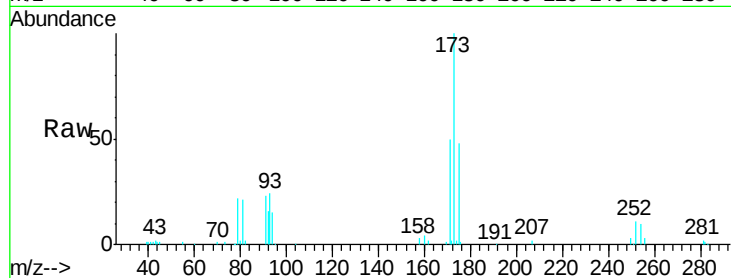
Tgt Ion:173 Resp: 67983

Ion Ratio Lower Upper

173 100

175 49.0 24.2 72.6

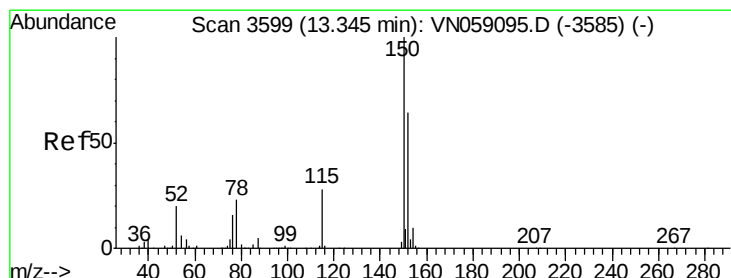
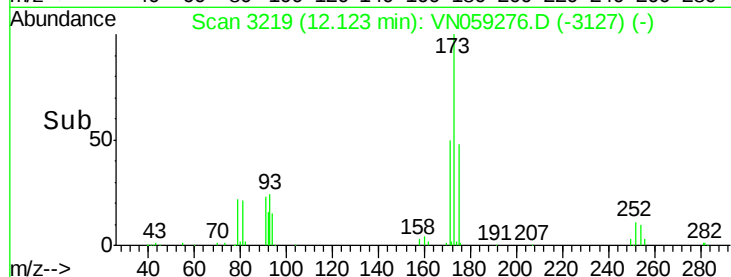
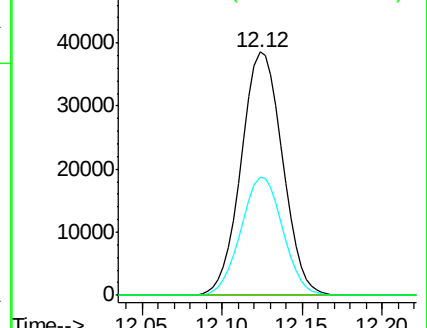
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

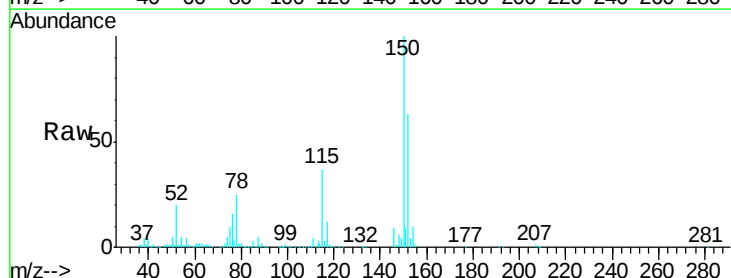
Tgt Ion:152 Resp: 244084

Ion Ratio Lower Upper

152 100

115 58.3 29.4 88.2

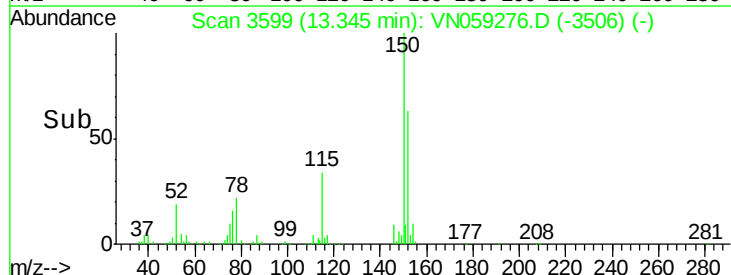
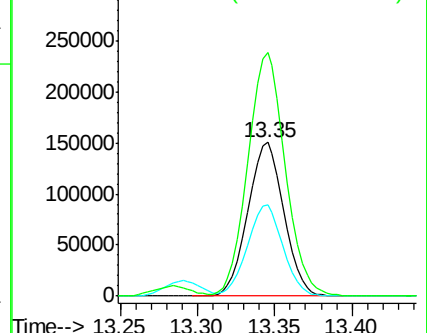
150 164.1 0.0 345.8

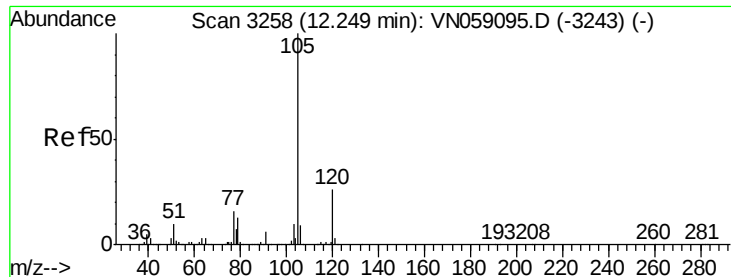


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.322 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampled :

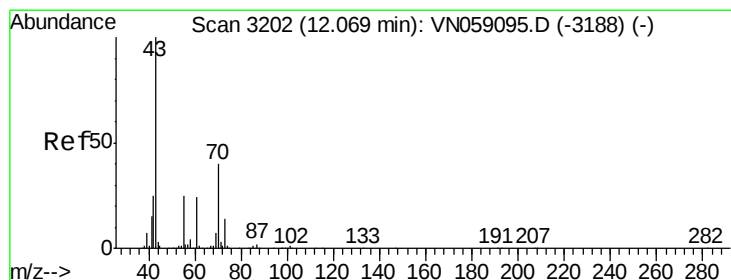
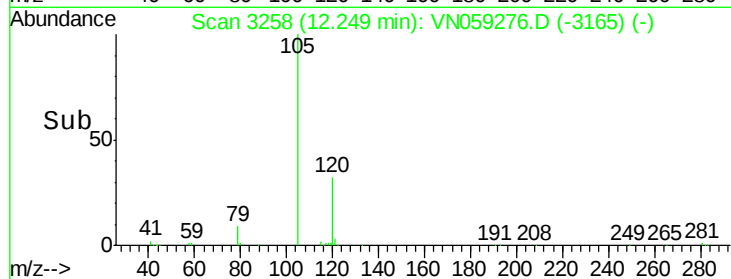
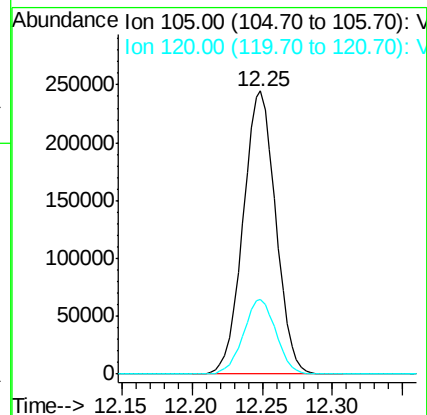
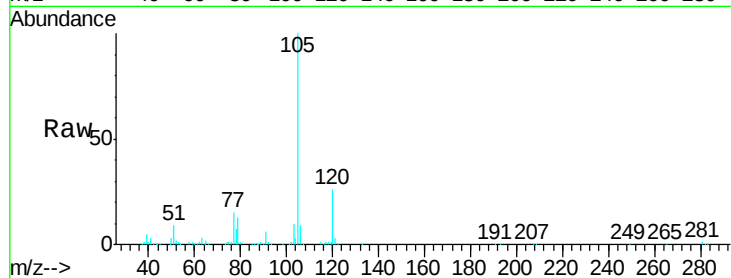
VN1118WBS01

Tgt Ion: 105 Resp: 396318

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



#74

N-ethyl acetate

Concen: 21.375 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Tgt Ion: 43 Resp: 160809

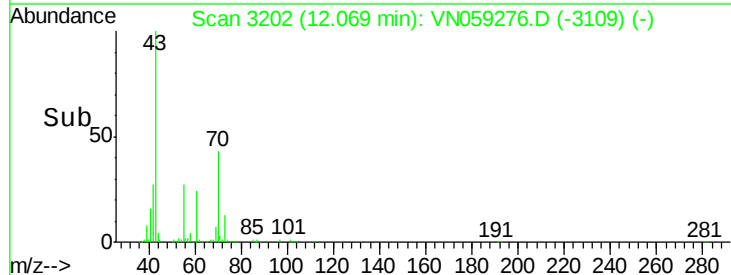
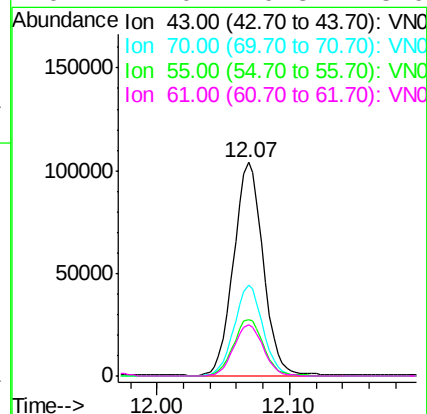
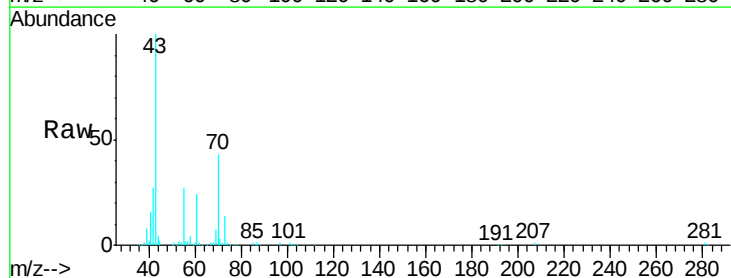
Ion Ratio Lower Upper

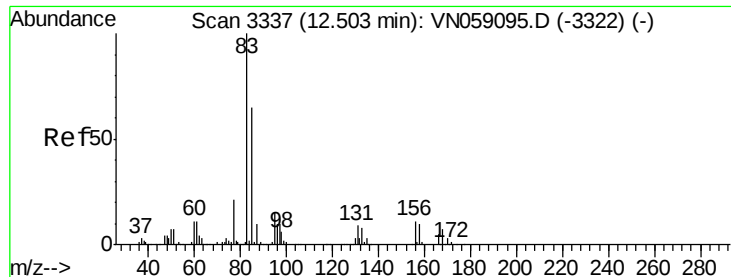
43 100

70 41.6 32.2 48.4

55 27.3 20.4 30.6

61 24.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.790 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

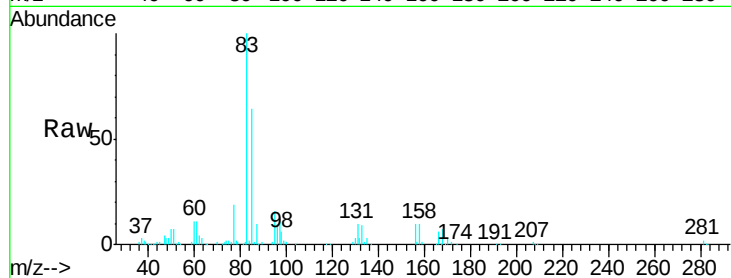
Tgt Ion: 83 Resp: 137796

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

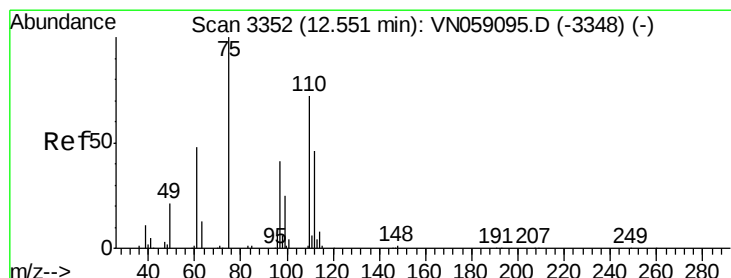
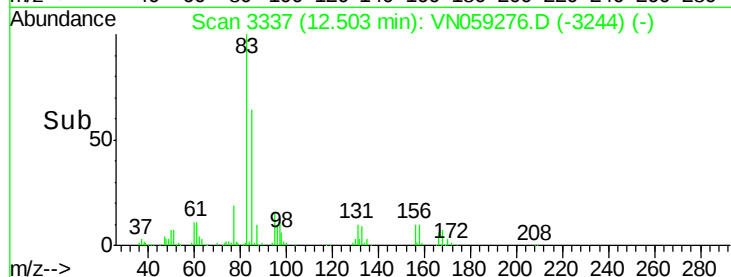
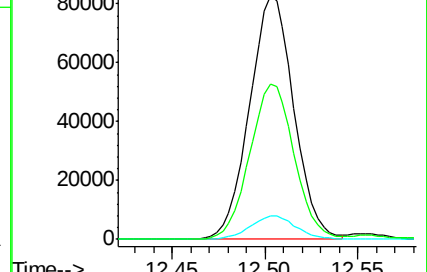
85 64.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059276.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059276.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059276.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 32.102 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059276.D

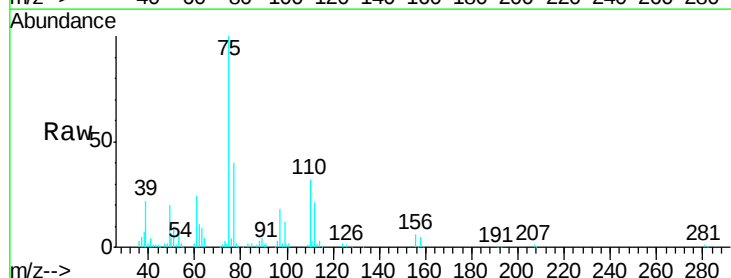
Acq: 18 Nov 2019 12:26

Tgt Ion: 75 Resp: 178391

Ion Ratio Lower Upper

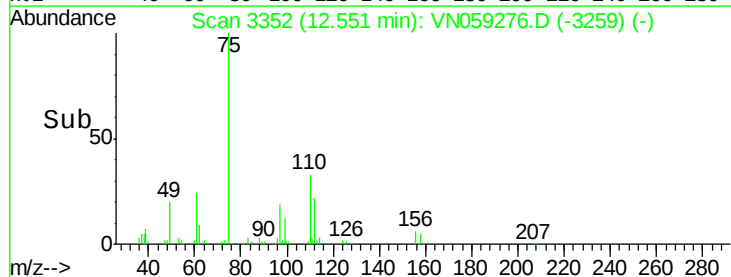
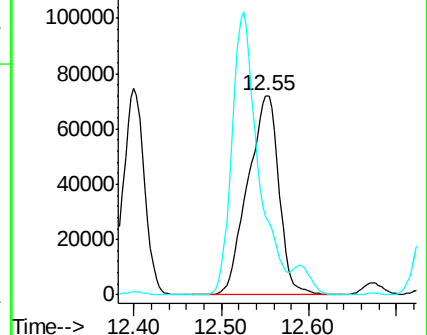
75 100

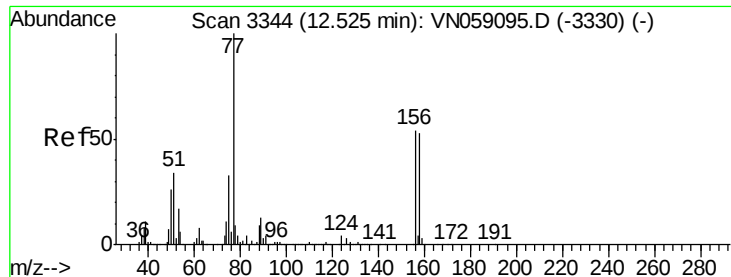
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059276.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059276.D (-3352) (-)





#77

Bromobenzene

Concen: 21.632 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

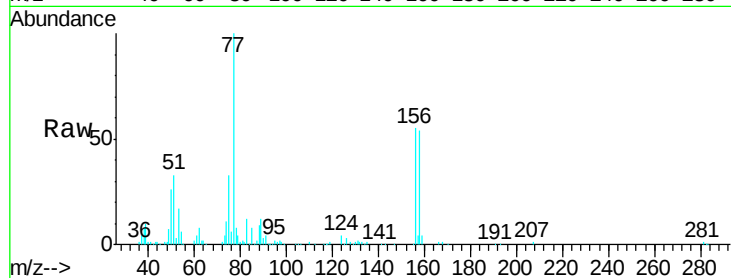
Tgt Ion:156 Resp: 96495

Ion Ratio Lower Upper

156 100

77 222.3 112.8 338.3

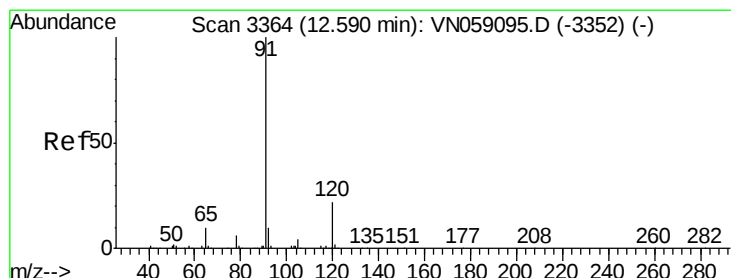
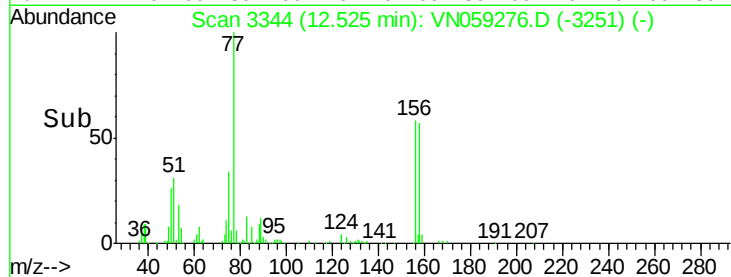
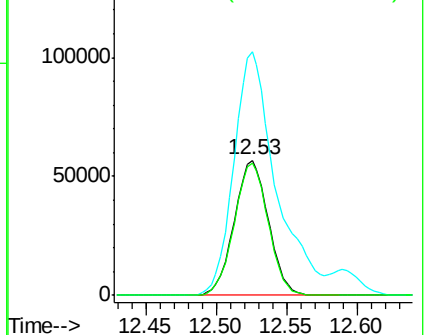
158 97.2 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.082 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059276.D

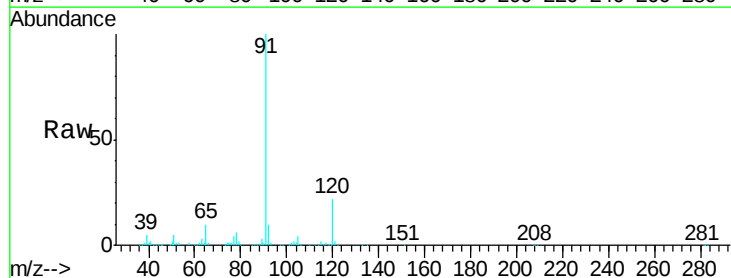
Acq: 18 Nov 2019 12:26

Tgt Ion: 91 Resp: 448917

Ion Ratio Lower Upper

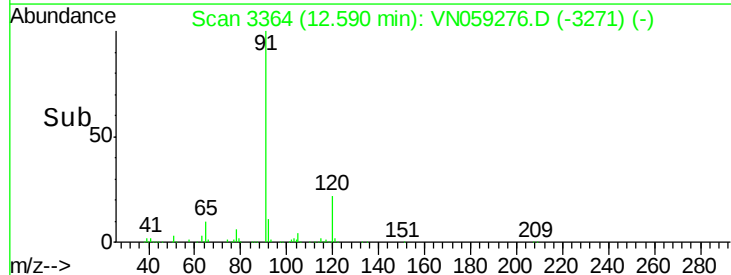
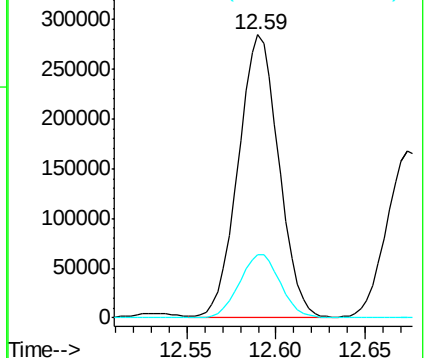
91 100

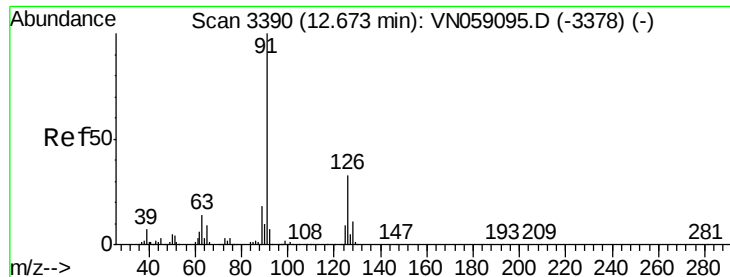
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.056 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

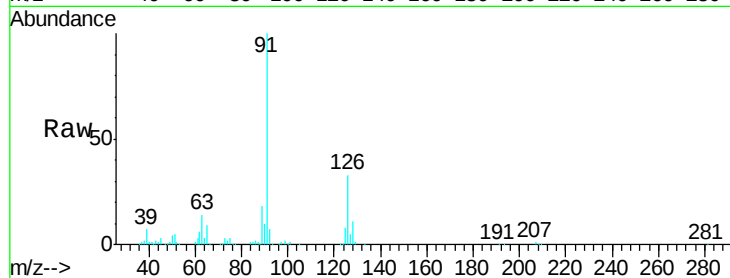
VN1118WBS01

Tgt Ion: 91 Resp: 278148

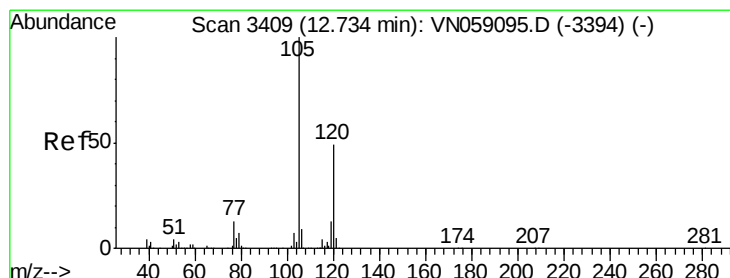
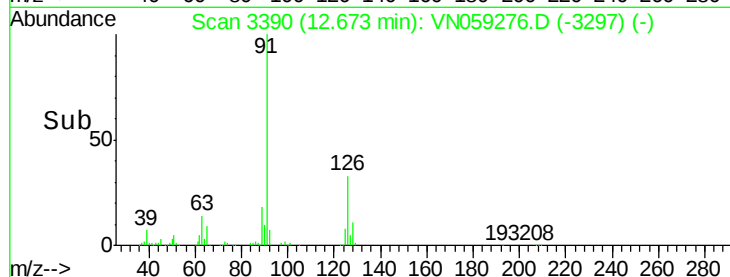
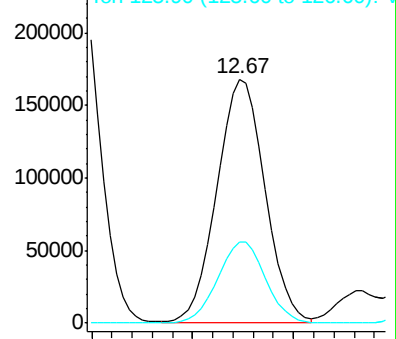
Ion Ratio Lower Upper

91 100

126 33.6 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.064 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059276.D

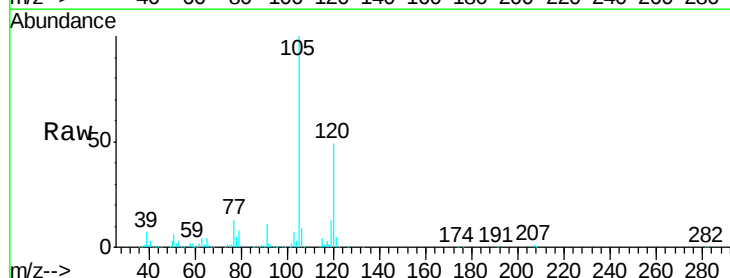
Acq: 18 Nov 2019 12:26

Tgt Ion: 105 Resp: 331947

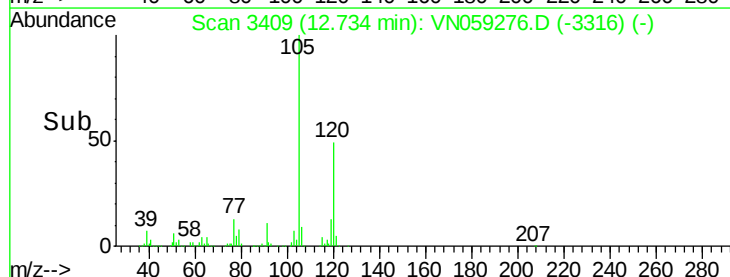
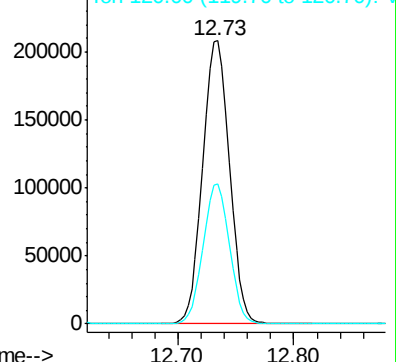
Ion Ratio Lower Upper

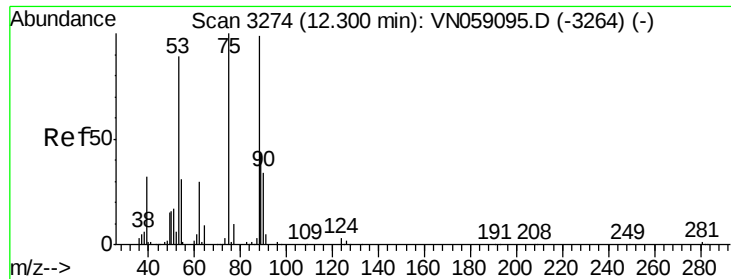
105 100

120 48.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.681 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059276.D

Acq: 18 Nov 2019 12:26

Instrument :

MSVOA\_N

ClientSampleId :

VN1118WBS01

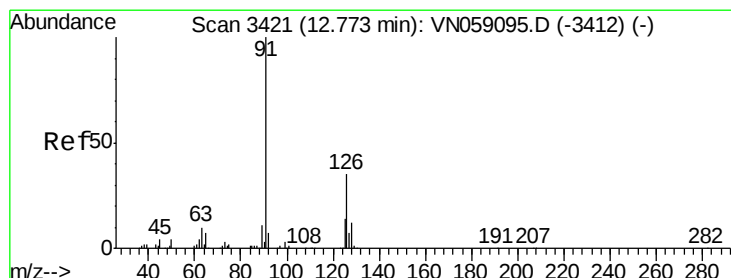
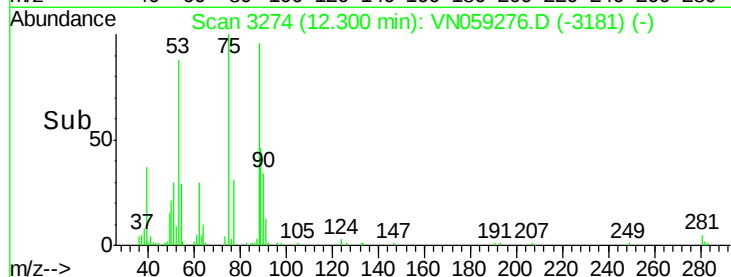
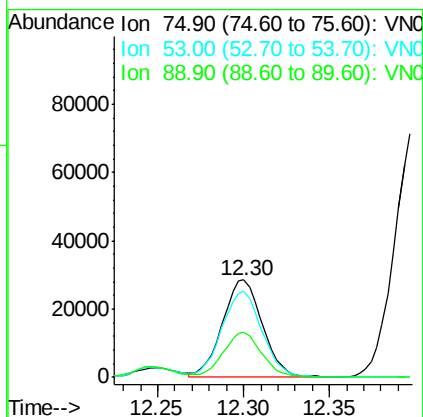
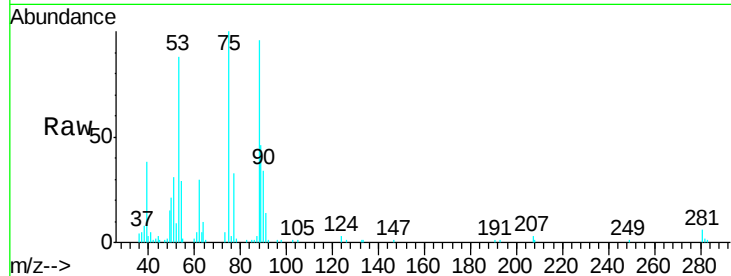
Tgt Ion: 75 Resp: 45615

Ion Ratio Lower Upper

75 100

53 91.0 72.2 108.2

89 45.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 22.066 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059276.D

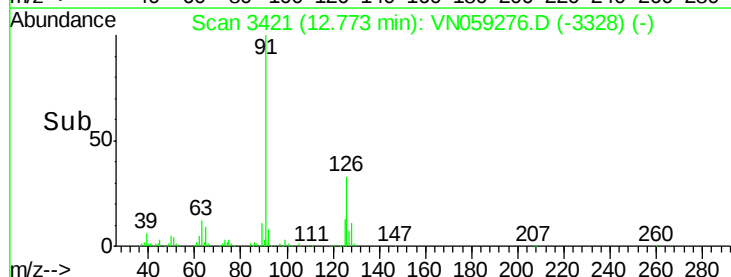
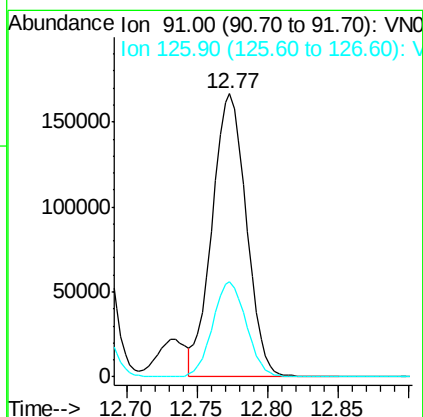
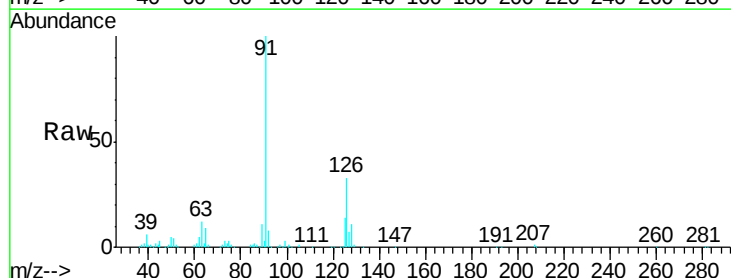
Acq: 18 Nov 2019 12:26

Tgt Ion: 91 Resp: 279113

Ion Ratio Lower Upper

91 100

126 33.2 16.1 48.2

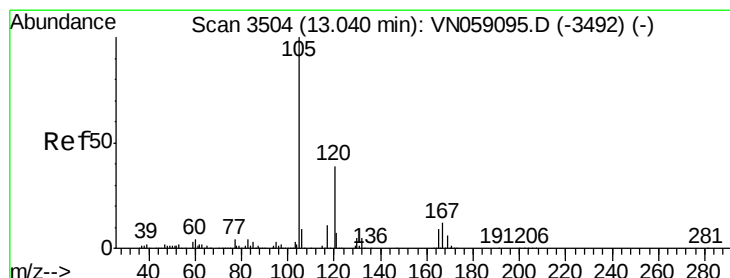
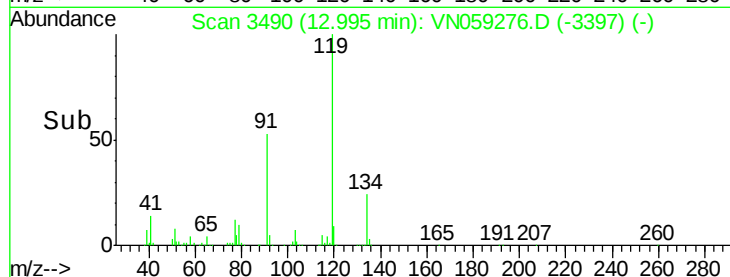
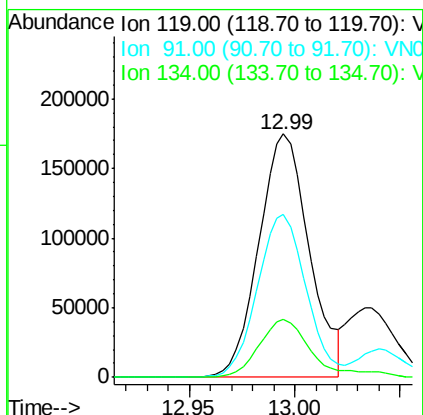
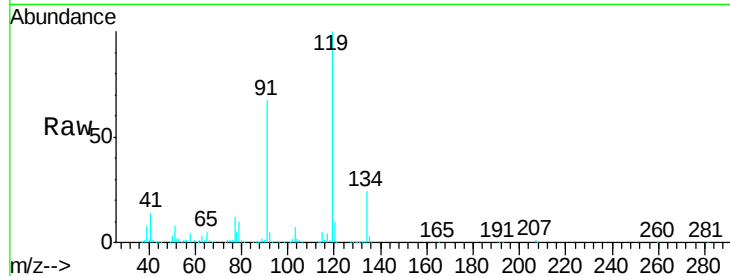




#83  
 tert-Butylbenzene  
 Concen: 22.390 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

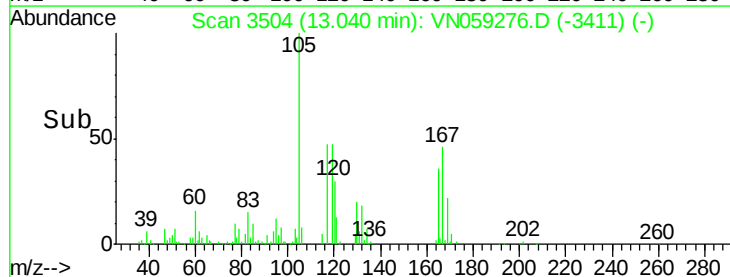
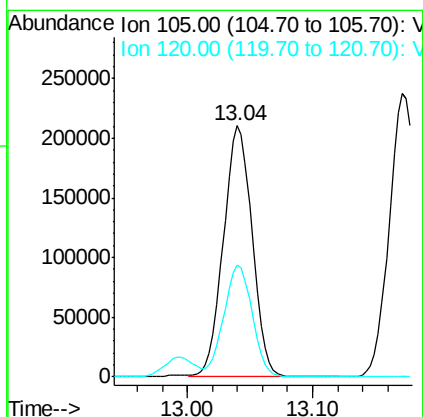
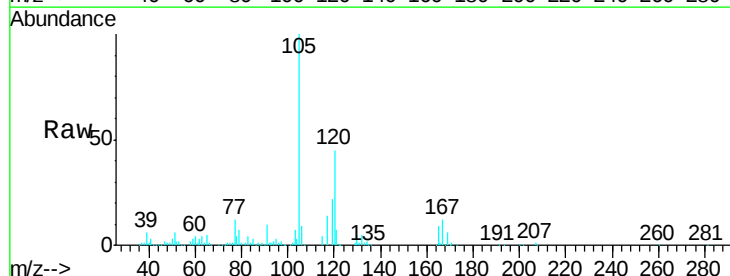
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118WBS01

Tgt Ion:119 Resp: 290892  
 Ion Ratio Lower Upper  
 119 100  
 91 64.9 33.2 99.6  
 134 25.1 12.7 38.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.862 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion:105 Resp: 332767  
 Ion Ratio Lower Upper  
 105 100  
 120 44.0 22.8 68.4

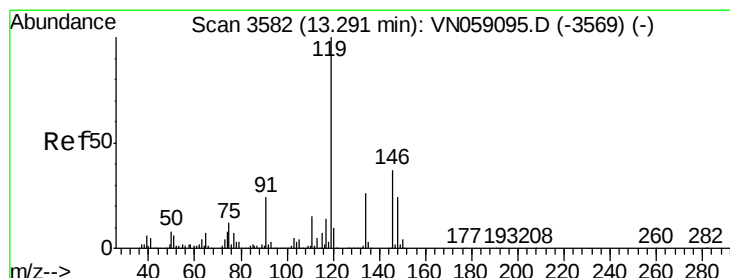
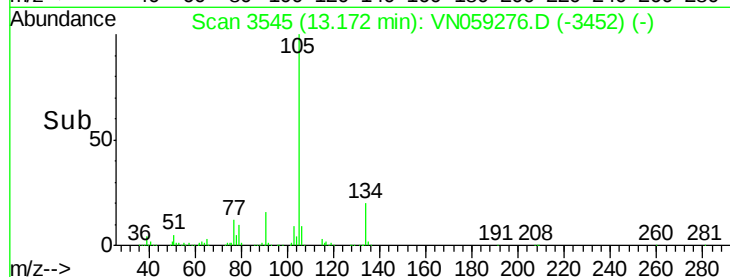
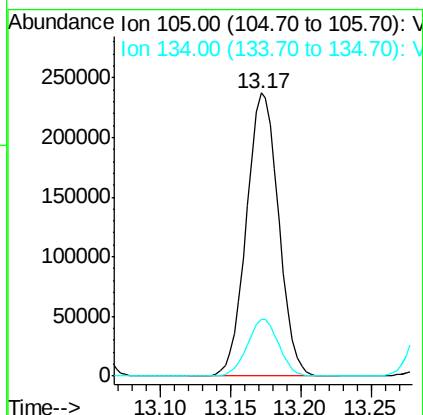
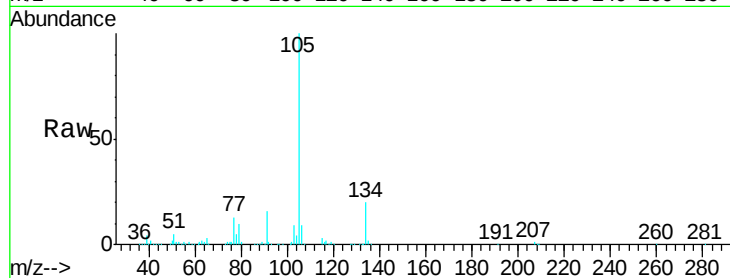




#85  
 sec-Butylbenzene  
 Concen: 22.431 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

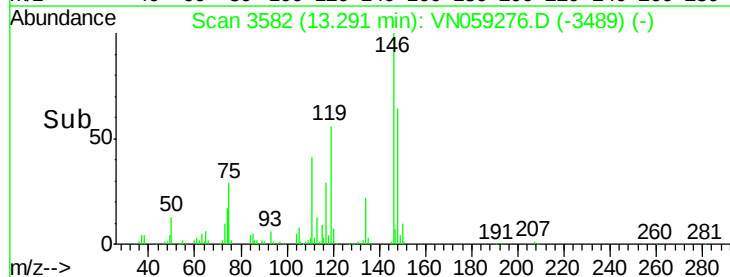
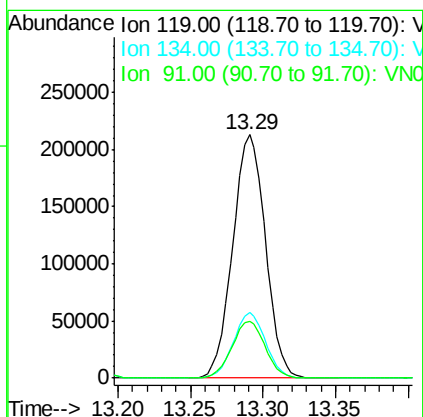
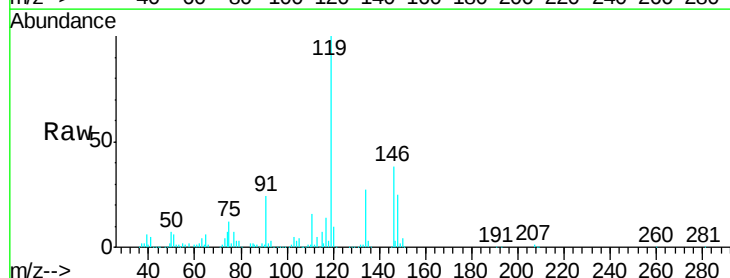
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1118WBS01

Tgt Ion:105 Resp: 379020  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 22.240 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion:119 Resp: 331802  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.0 38.9  
 91 23.9 11.7 35.1

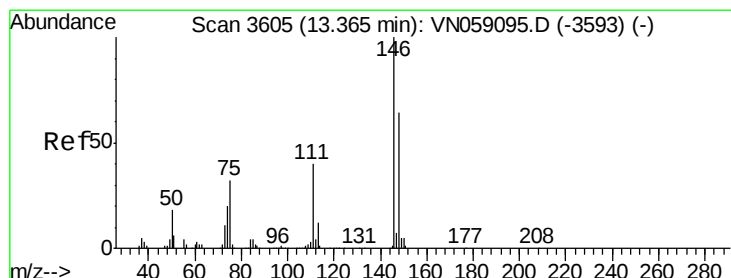
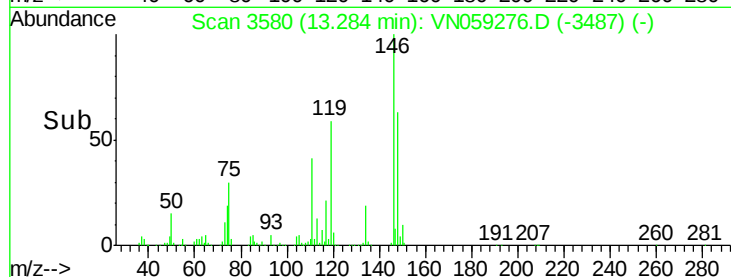
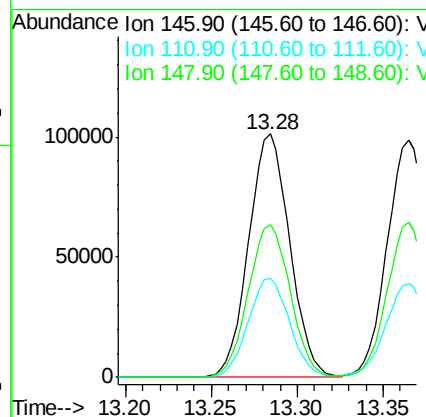
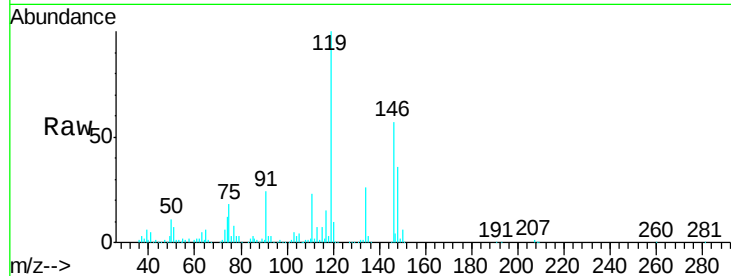




#87  
 1,3-Dichlorobenzene  
 Concen: 21.975 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

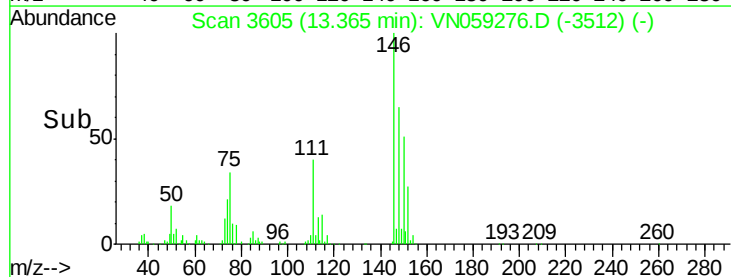
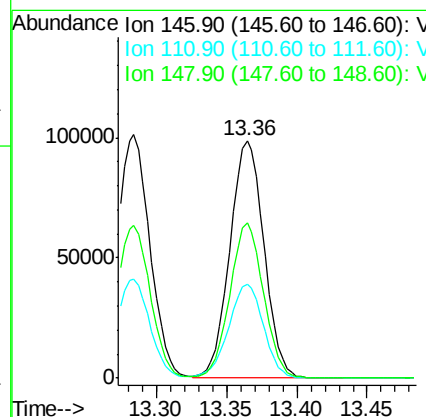
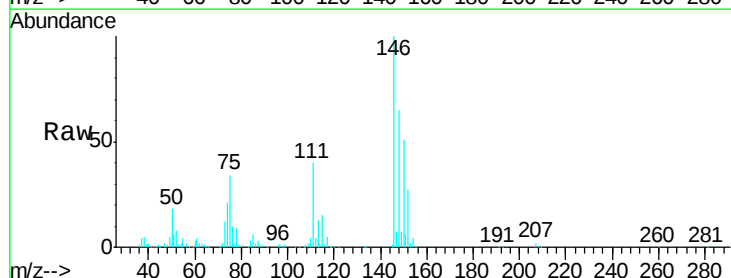
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1118WBS01

Tgt Ion:146 Resp: 167861  
 Ion Ratio Lower Upper  
 146 100  
 111 41.1 20.4 61.3  
 148 63.9 32.2 96.6



#88  
 1,4-Dichlorobenzene  
 Concen: 21.903 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion:146 Resp: 167398  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 20.3 60.9  
 148 63.6 31.9 95.7

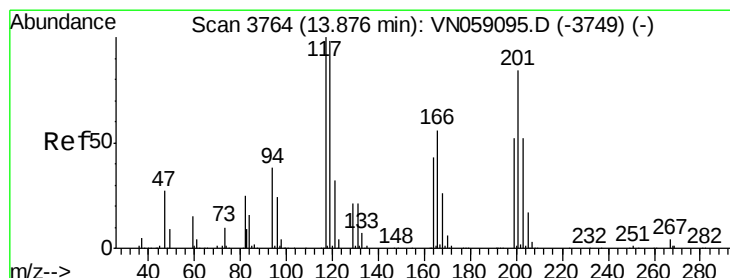
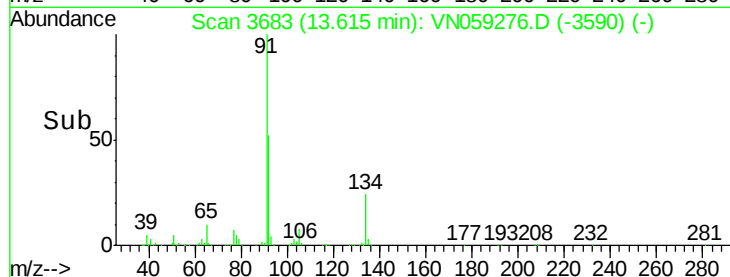
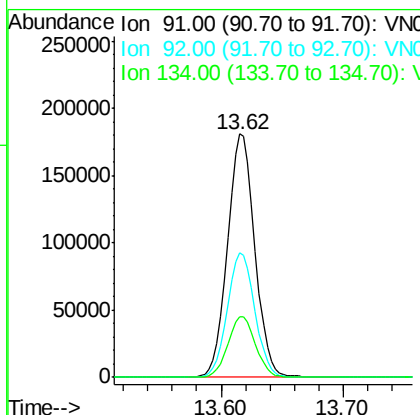
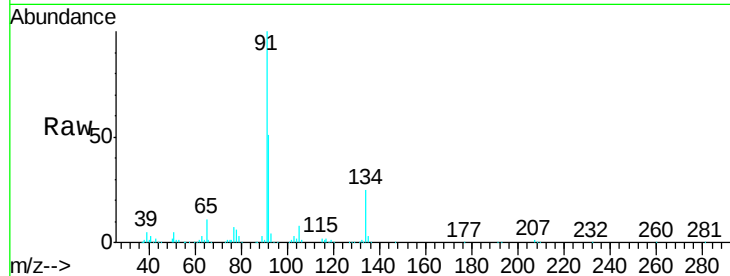




#89  
n-Butylbenzene  
Concen: 21.728 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

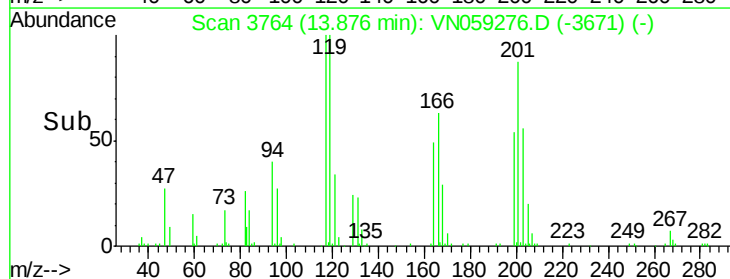
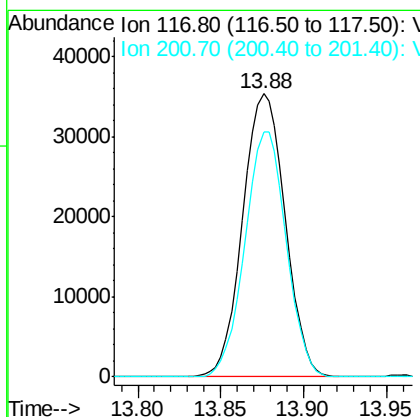
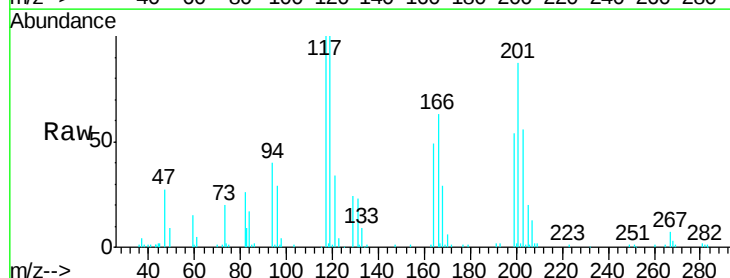
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

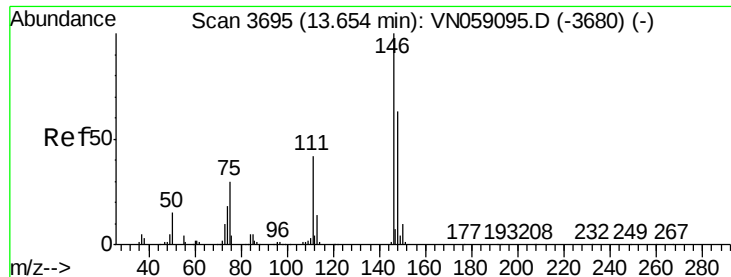
Tgt Ion: 91 Resp: 283732  
Ion Ratio Lower Upper  
91 100  
92 51.5 26.1 78.3  
134 25.1 12.6 37.8



#90  
Hexachloroethane  
Concen: 21.059 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion: 117 Resp: 63091  
Ion Ratio Lower Upper  
117 100  
201 84.2 41.8 125.3

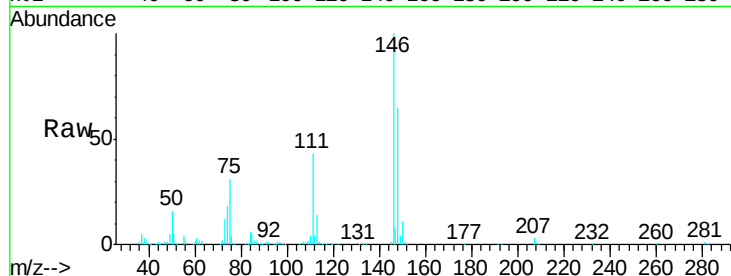




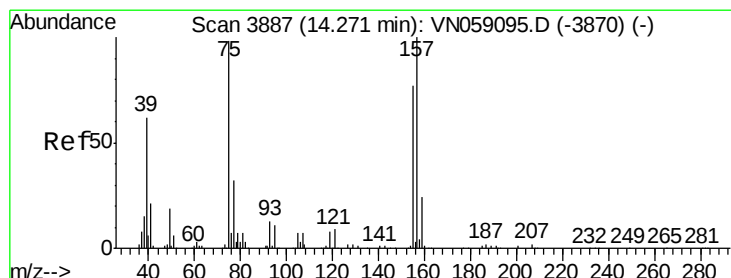
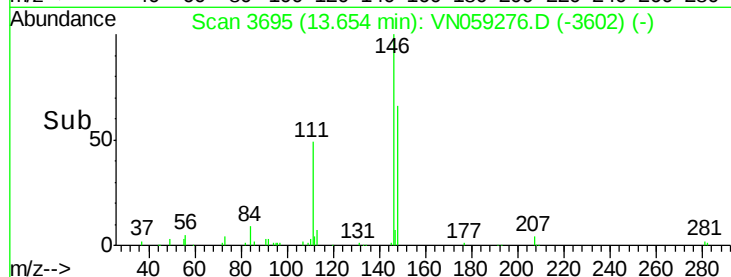
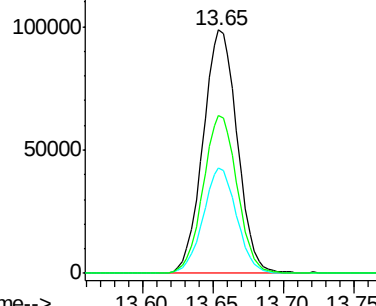
#91  
 1,2-Dichlorobenzene  
 Concen: 22.312 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1118WBS01

Tgt Ion:146 Resp: 167656  
 Ion Ratio Lower Upper  
 146 100  
 111 42.3 21.2 63.6  
 148 64.4 31.6 94.7

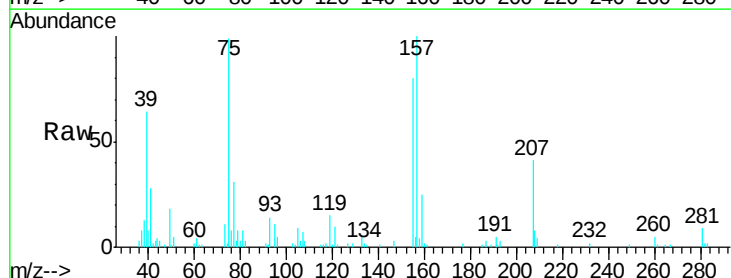


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

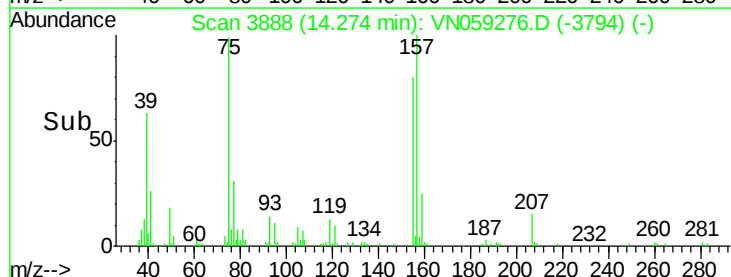
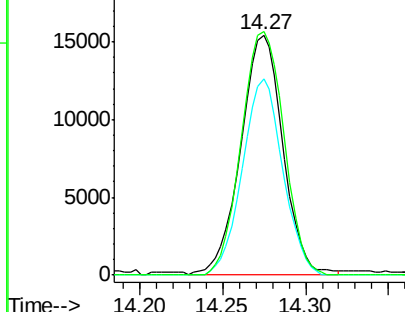


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.671 ug/l  
 RT: 14.27 min Scan# 3888  
 Delta R.T. 0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion: 75 Resp: 27331  
 Ion Ratio Lower Upper  
 75 100  
 155 77.9 40.2 120.6  
 157 102.0 51.8 155.5



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V

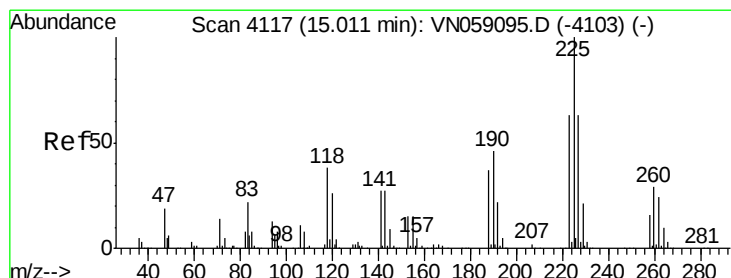
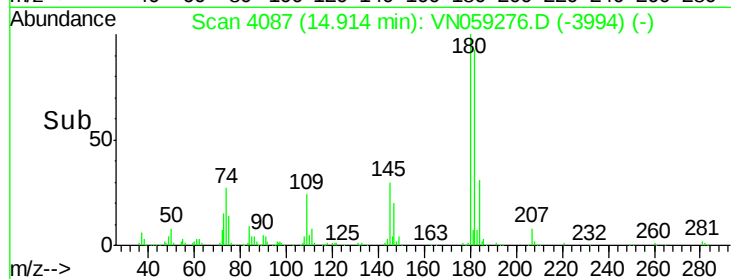
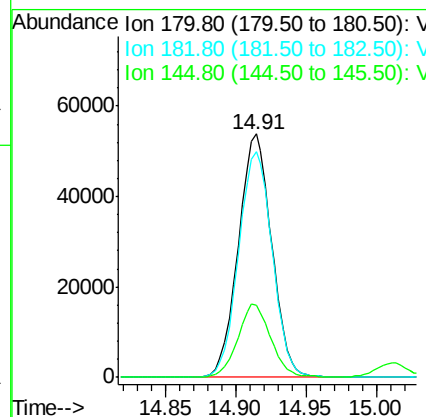
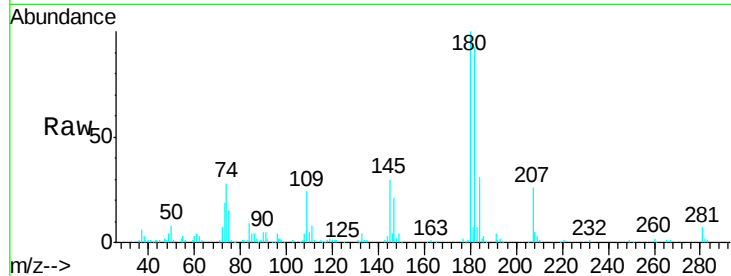




#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.399 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

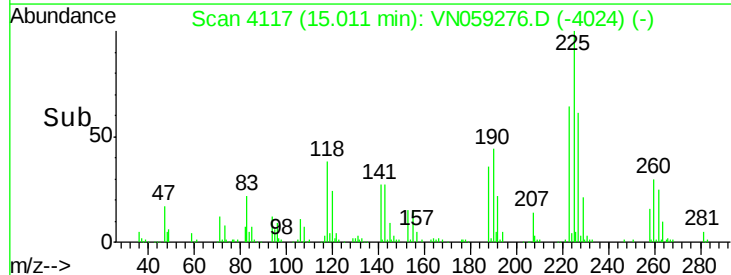
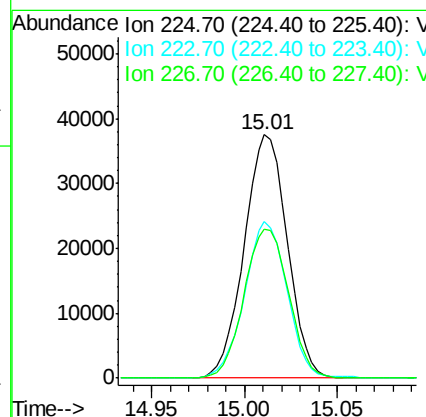
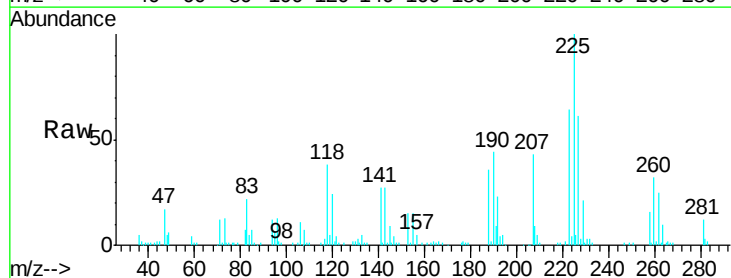
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1118WBS01

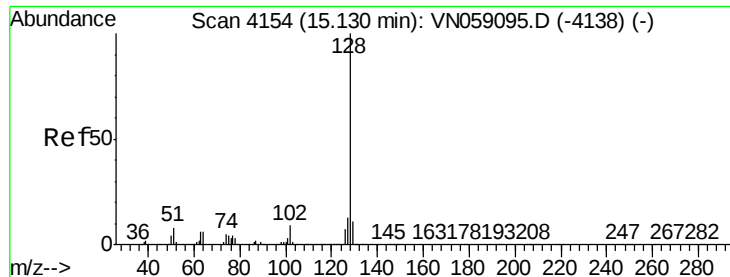
Tgt Ion:180 Resp: 89100  
 Ion Ratio Lower Upper  
 180 100  
 182 93.9 48.1 144.3  
 145 29.6 15.1 45.3



#94  
 Hexachlorobutadiene  
 Concen: 23.342 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN059276.D  
 Acq: 18 Nov 2019 12:26

Tgt Ion:225 Resp: 60478  
 Ion Ratio Lower Upper  
 225 100  
 223 63.3 31.3 93.9  
 227 63.3 31.5 94.5

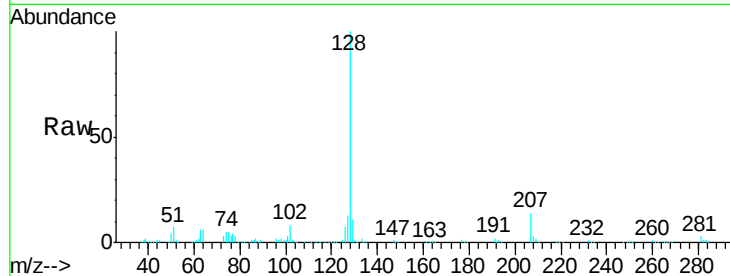




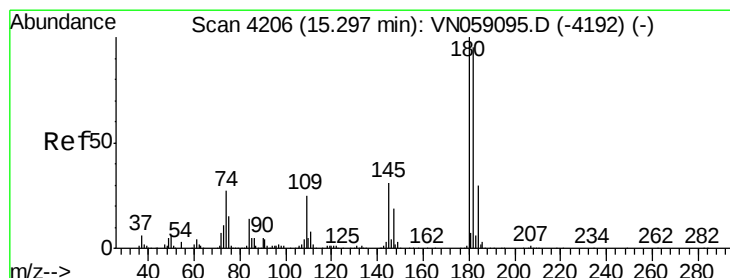
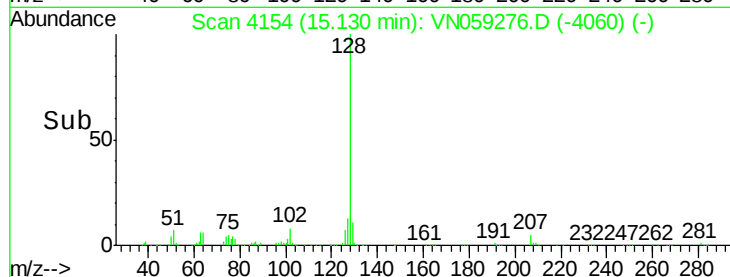
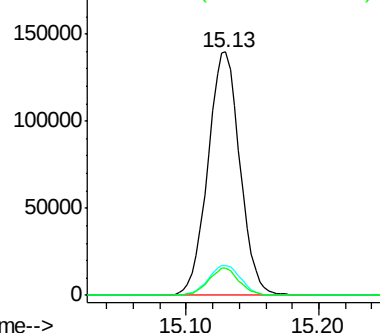
#95  
Naphthalene  
Concen: 20.402 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1118WBS01

Tgt Ion:128 Resp: 233776  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.2  
129 10.6 8.6 12.8

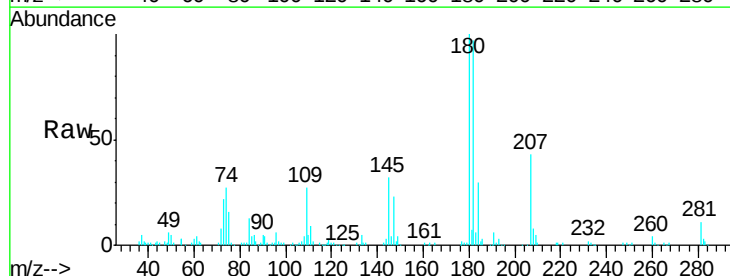


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 21.593 ug/l  
RT: 15.30 min Scan# 4206  
Delta R.T. -0.00 min  
Lab File: VN059276.D  
Acq: 18 Nov 2019 12:26

Tgt Ion:180 Resp: 90930  
Ion Ratio Lower Upper  
180 100  
182 95.7 47.3 141.8  
145 32.4 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

