

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\  
 Data File : VN059028.D  
 Acq On : 31 Oct 2019 10:33  
 Operator : JC/SP  
 Sample : VN1031WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 01 01:08:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 396445   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 630477   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 576557   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 267243   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 272604   | 46.88 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.76% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 205358   | 49.54 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.08% |      |
| 50) Toluene-d8            | 10.08  | 98  | 767685   | 47.71 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.42% |      |
| 62) 4-Bromofluorobenzene  | 12.41  | 95  | 284887   | 48.21 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.42% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 87022   | 17.606  | ug/l | 100    |
| 3) Chloromethane              | 2.04 | 50  | 116759  | 19.073  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.17 | 62  | 119158  | 19.604  | ug/l | 100    |
| 5) Bromomethane               | 2.54 | 94  | 69899   | 18.364  | ug/l | 94     |
| 6) Chloroethane               | 2.68 | 64  | 71998   | 18.471  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 146942  | 19.538  | ug/l | 99     |
| 8) Diethyl Ether              | 3.39 | 74  | 55400   | 21.316  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 84982   | 20.382  | ug/l | 97     |
| 10) Methyl Iodide             | 3.93 | 142 | 100069  | 18.248  | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 111983  | 116.058 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 79263   | 20.281  | ug/l | 97     |
| 13) Acrolein                  | 3.59 | 56  | 46048   | 69.456  | ug/l | 99     |
| 14) Allyl chloride            | 4.30 | 41  | 166852  | 21.098  | ug/l | 96     |
| 15) Acrylonitrile             | 4.96 | 53  | 287348  | 118.392 | ug/l | 98     |
| 16) Acetone                   | 3.79 | 43  | 307554  | 107.043 | ug/l | 96     |
| 17) Carbon Disulfide          | 4.03 | 76  | 219862  | 17.464  | ug/l | 99     |
| 18) Methyl Acetate            | 4.30 | 43  | 153493  | 23.498  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.02 | 73  | 302579  | 22.111  | ug/l | 99     |
| 20) Methylene Chloride        | 4.53 | 84  | 99803   | 20.343  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 86971   | 20.151  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.93 | 45  | 342014  | 22.110  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.87 | 43  | 1410775 | 113.517 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 186527  | 20.796  | ug/l | 99     |
| 25) 2-Butanone                | 6.81 | 43  | 410745  | 110.129 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 158119  | 20.381  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 105741  | 21.446  | ug/l | 96     |
| 28) Bromochloromethane        | 7.17 | 49  | 58501   | 19.584  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.19 | 42  | 262669  | 115.126 | ug/l | 99     |
| 30) Chloroform                | 7.35 | 83  | 182240  | 20.255  | ug/l | 98     |
| 31) Cyclohexane               | 7.63 | 56  | 160496  | 19.207  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 155054  | 20.446  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 128874  | 19.966  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 163168  | 23.200  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 133584  | 20.089  | ug/l | 98     |

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 Operator : JC/SP  
 Sample : VN1031WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 01 01:08:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 142683   | 19.687  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 400000   | 21.103  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.19  | 41   | 229909   | 73.396  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 145667   | 19.950  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 249448   | 22.115  | ug/l # | 93       |
| 44) Trichloroethene            | 8.82  | 130  | 96268    | 20.850  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 110189   | 21.200  | ug/l   | 99       |
| 46) Dibromomethane             | 9.20  | 93   | 69741    | 21.225  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 141049   | 20.828  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.19  | 41   | 112587   | 22.000  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 39237    | 467.051 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 797419   | 121.033 | ug/l   | 100      |
| 52) Toluene                    | 10.15 | 92   | 239807   | 21.335  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 157874   | 21.058  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 170751   | 21.318  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 101284   | 21.874  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 151143   | 20.714  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 172287   | 21.199  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 310072   | 97.930  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 595047   | 116.880 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 106049   | 21.278  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 101266   | 21.370  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 84324    | 20.884  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 255603   | 21.776  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 99218    | 22.400  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 460653   | 22.372  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 332200   | 43.504  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 160852   | 22.087  | ug/l   | 99       |
| 70) Styrene                    | 11.97 | 104  | 264271   | 20.698  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 75402    | 21.953  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 442023   | 22.632  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 197986   | 22.361  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 157394   | 22.919  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 207304   | 33.470  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 107609   | 22.354  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.60 | 91   | 519710   | 22.512  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 311962   | 22.079  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 371204   | 22.622  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 51864    | 21.814  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 316460   | 21.917  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.00 | 119  | 317364   | 22.617  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 366617   | 22.652  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 421094   | 22.509  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 372697   | 22.578  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 187870   | 21.826  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 186164   | 21.602  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 326060   | 21.503  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.88 | 117  | 72894    | 21.792  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 187012   | 22.105  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 33964    | 21.866  | ug/l   | 98       |

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Acq On : 31 Oct 2019 10:33  
Operator : JC/SP  
Sample : VN1031WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 6 Sample Multiplier: 1

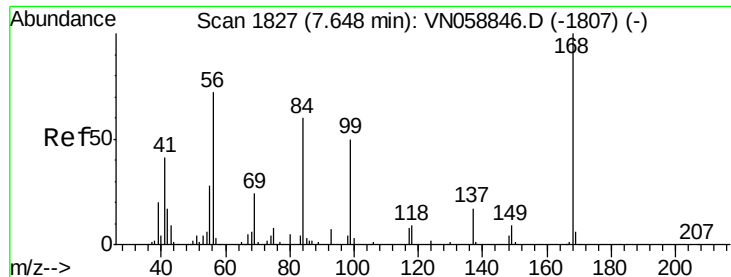
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Nov 01 01:08:37 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 19 00:16:20 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180  | 99923    | 20.337 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.02 | 225  | 61698    | 22.500 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 280840   | 19.755 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 102333   | 21.186 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

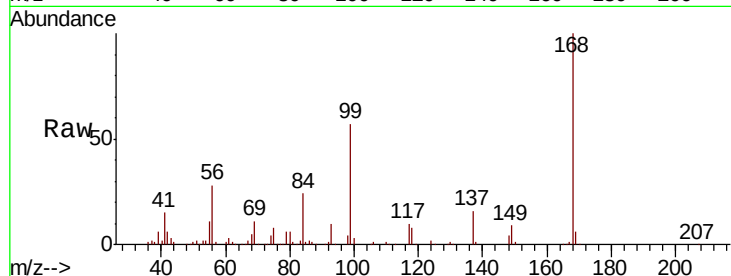
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 396445

Ion Ratio Lower Upper

168 100

99 56.5 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

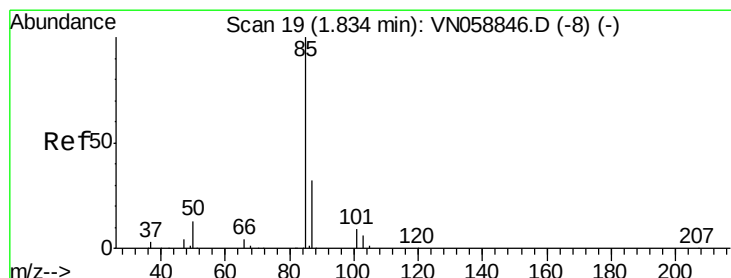
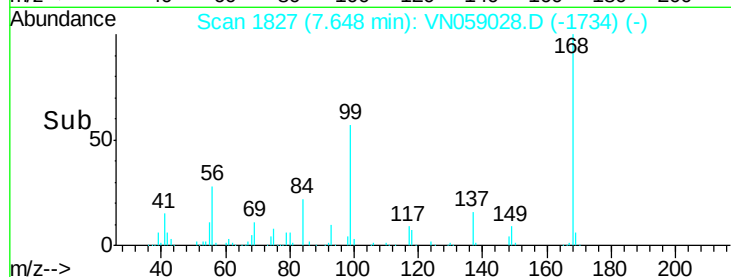
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.606 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059028.D

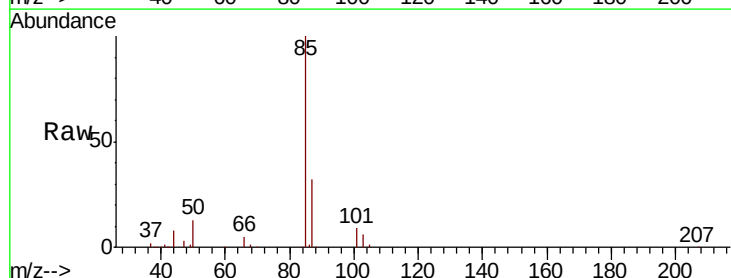
Acq: 31 Oct 2019 10:33

Tgt Ion: 85 Resp: 87022

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

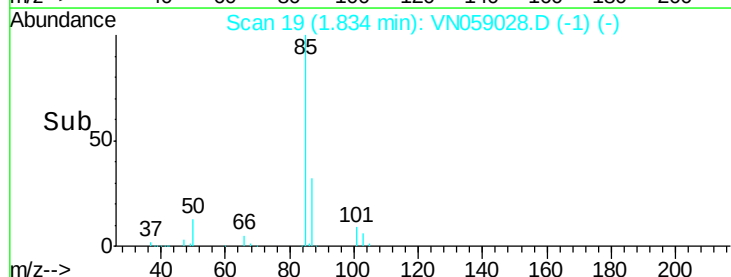
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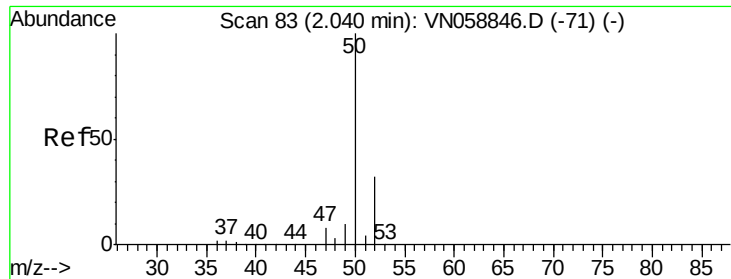
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0

1.75 1.80 1.85 1.90 1.95

Time-->

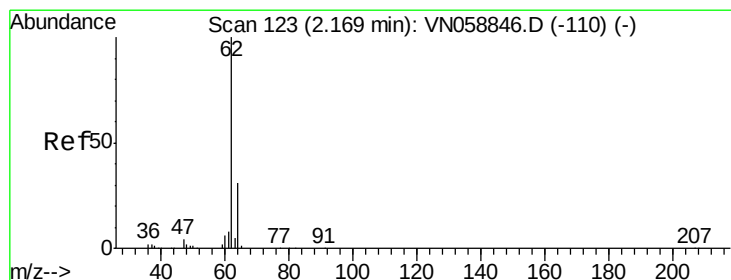
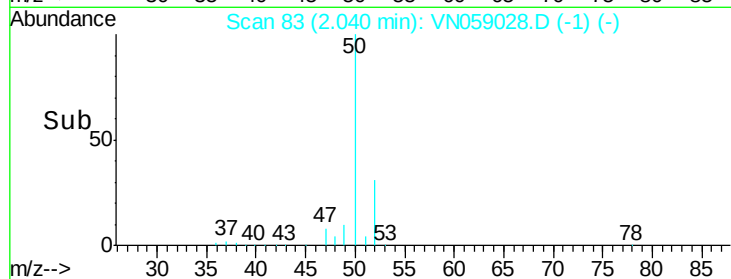
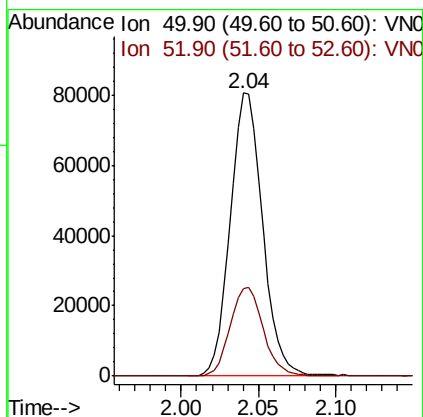
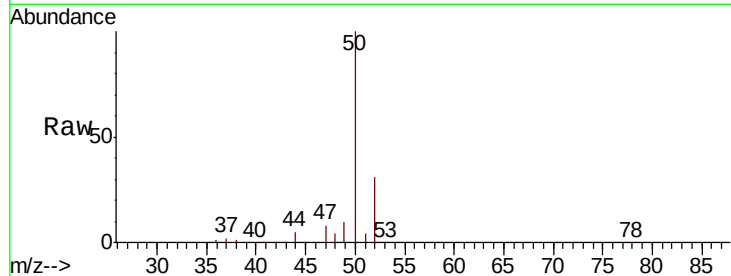




#3  
Chloromethane  
Concen: 19.073 ug/l  
RT: 2.04 min Scan# 83  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

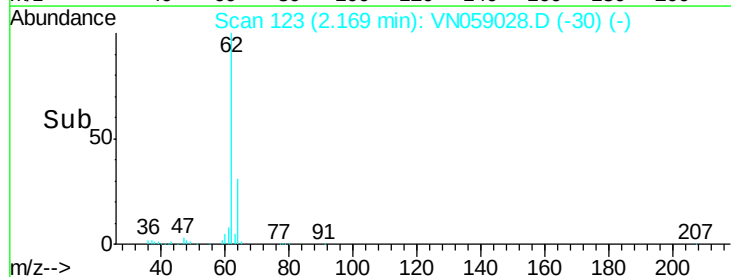
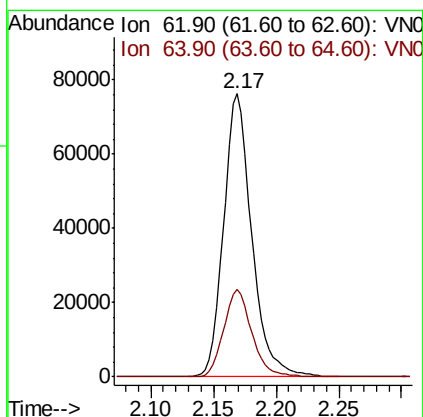
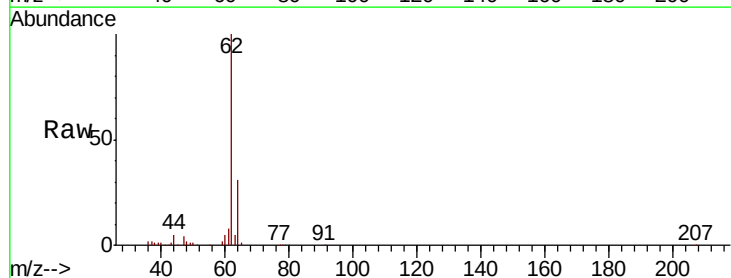
Instrument :  
MSVOA\_N  
ClientSampleId :

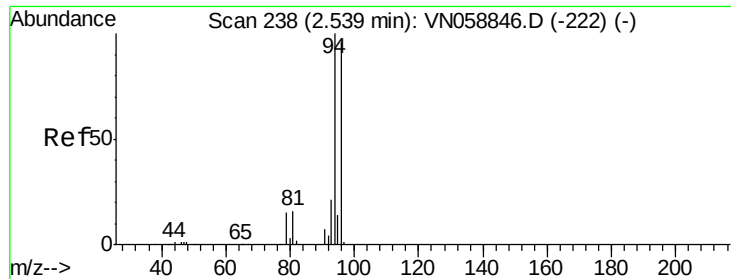
Tot Ion: 50 Resp: 116759  
Ion Ratio Lower Upper  
50 100  
52 31.1 25.7 38.5



#4  
Vinyl Chloride  
Concen: 19.604 ug/l  
RT: 2.17 min Scan# 123  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 62 Resp: 119158  
Ion Ratio Lower Upper  
62 100  
64 30.8 24.6 36.8





#5

Bromomethane

Concen: 18.364 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

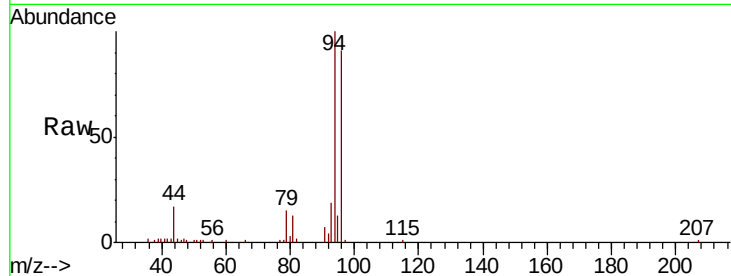
ClientSampleId :

Tot Ion: 94 Resp: 69899

Ion Ratio Lower Upper

94 100

96 90.6 77.0 115.6

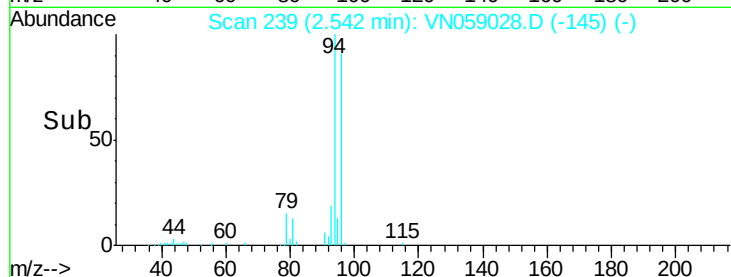


Abundance Ion 93.90 (93.60 to 94.60): VN058846.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN058846.D (-222) (-)

2.54

Time-->

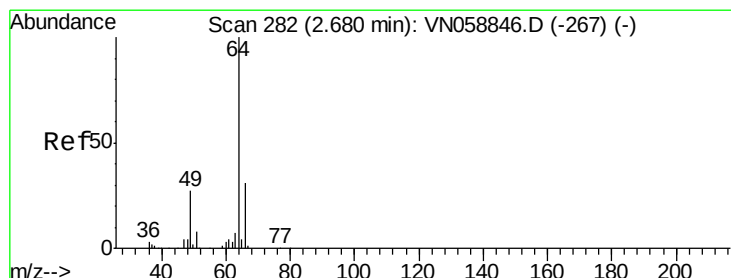


Abundance Ion 93.90 (93.60 to 94.60): VN059028.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059028.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 18.471 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059028.D

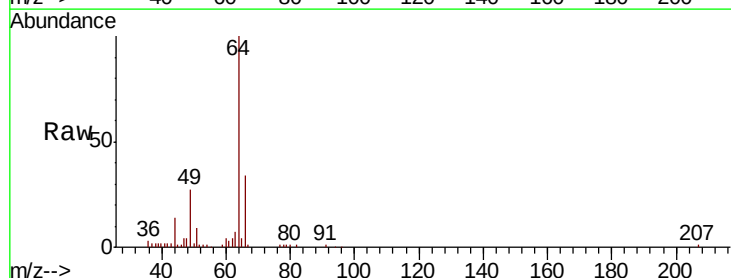
Acq: 31 Oct 2019 10:33

Tgt Ion: 64 Resp: 71998

Ion Ratio Lower Upper

64 100

66 33.6 25.0 37.4

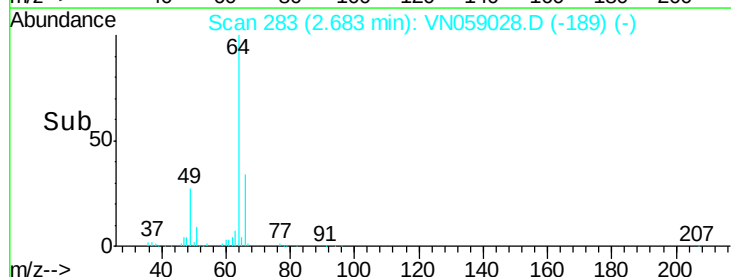


Abundance Ion 63.90 (63.60 to 64.60): VN058846.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN058846.D (-267) (-)

2.68

Time-->

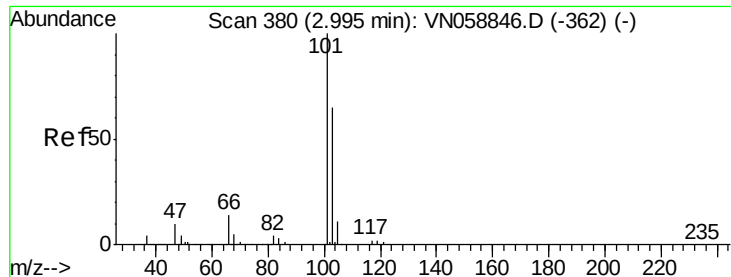


Abundance Ion 63.90 (63.60 to 64.60): VN059028.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059028.D (-189) (-)

2.68

Time-->

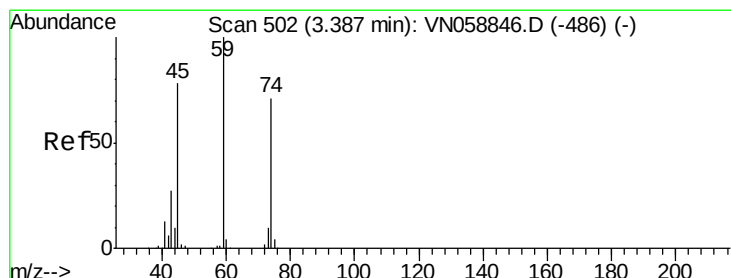
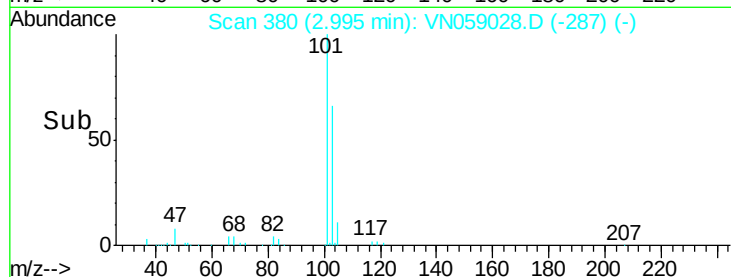
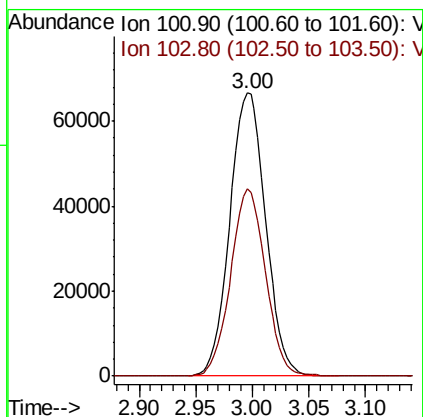
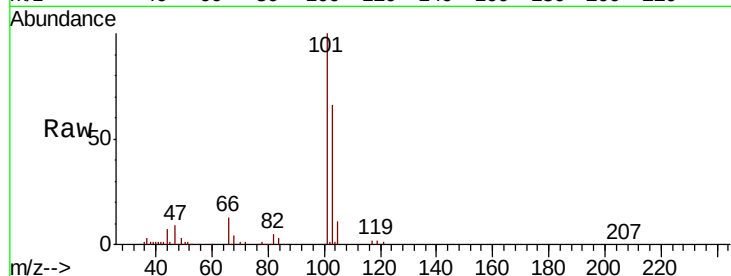


#7

Trichlorofluoromethane  
Concen: 19.538 ug/l  
RT: 3.00 min Scan# 380  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Instrument :  
MSVOA\_N  
ClientSampled :

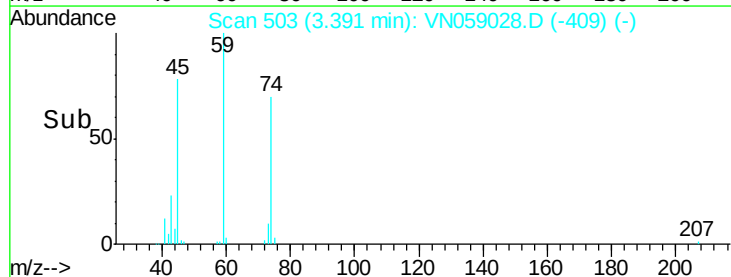
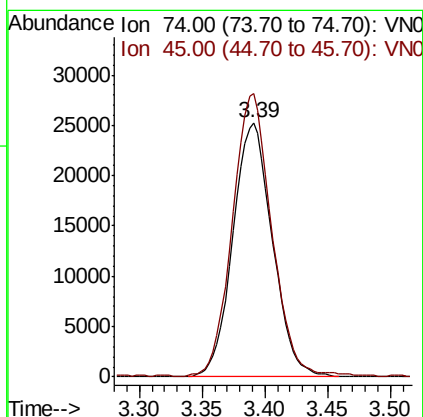
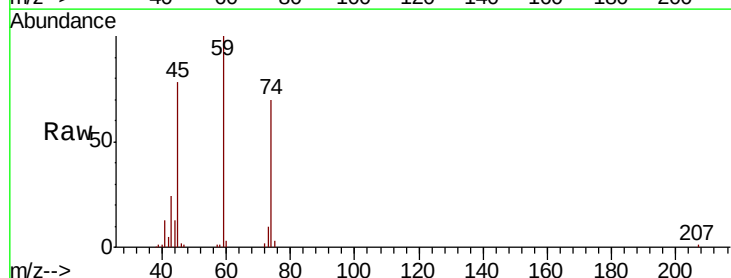
Tot Ion:101 Resp: 146942  
Ion Ratio Lower Upper  
101 100  
103 66.0 52.2 78.2



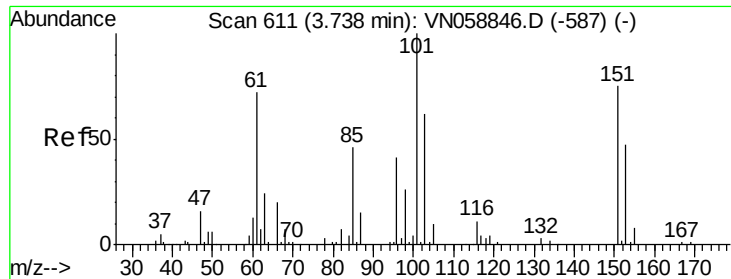
#8

Diethyl Ether  
Concen: 21.316 ug/l  
RT: 3.39 min Scan# 503  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 74 Resp: 55400  
Ion Ratio Lower Upper  
74 100  
45 111.3 54.9 164.5







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.382 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampleId :

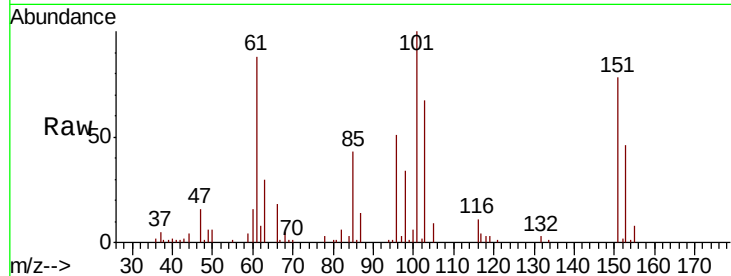
Tot Ion:101 Resp: 84982

Ion Ratio Lower Upper

101 100

85 43.9 37.2 55.8

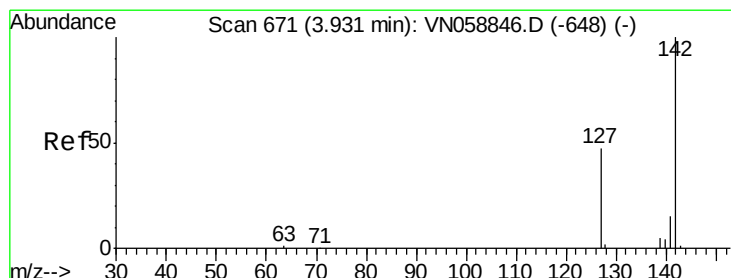
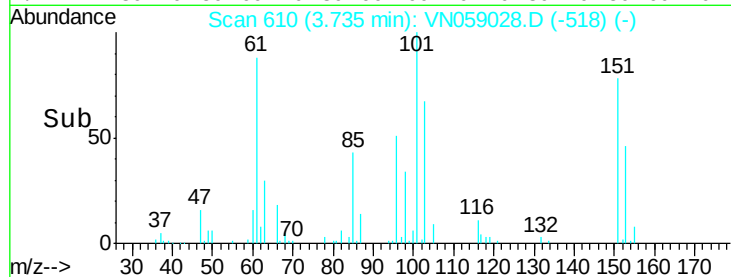
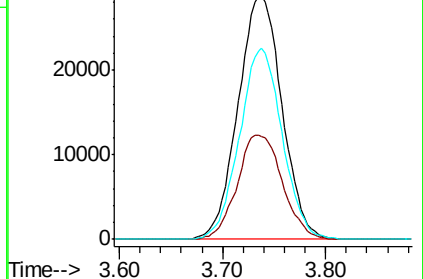
151 76.3 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.248 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

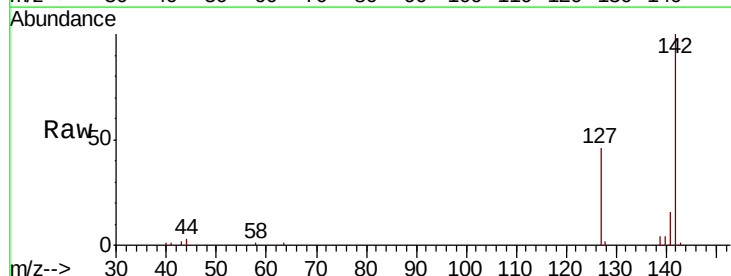
Tgt Ion:142 Resp: 100069

Ion Ratio Lower Upper

142 100

127 43.7 36.6 54.8

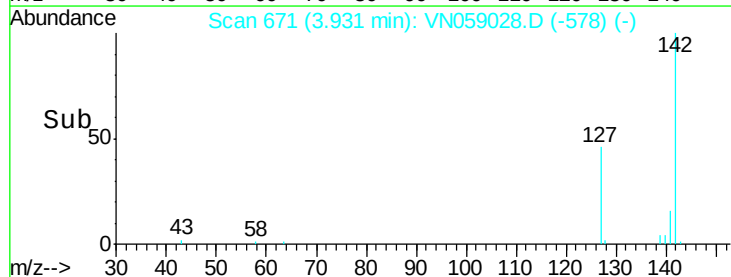
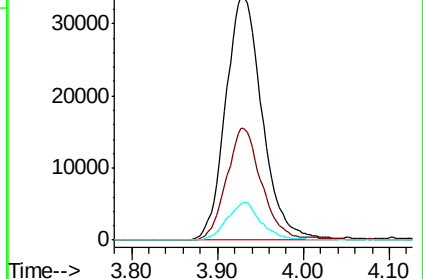
141 14.3 11.4 17.2

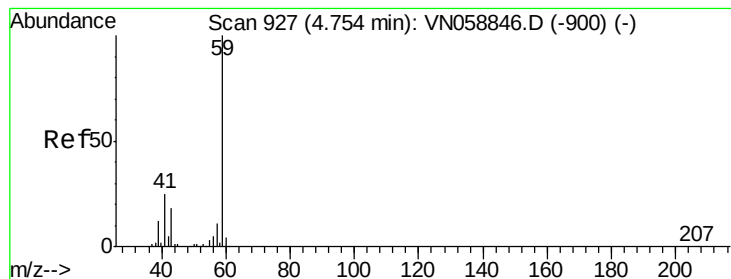


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 116.058 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

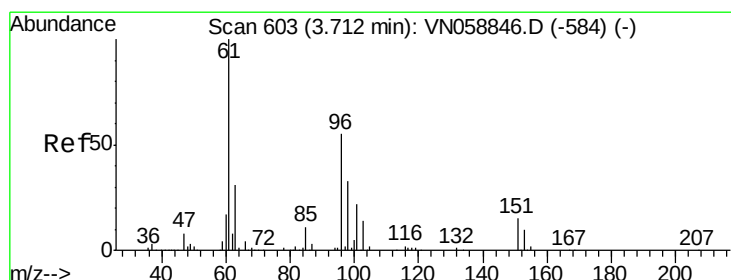
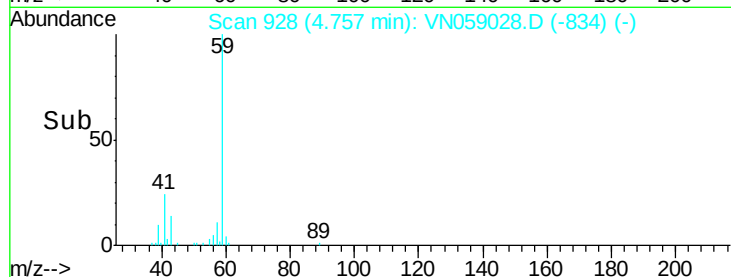
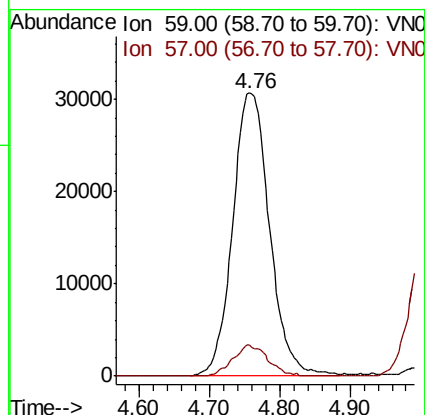
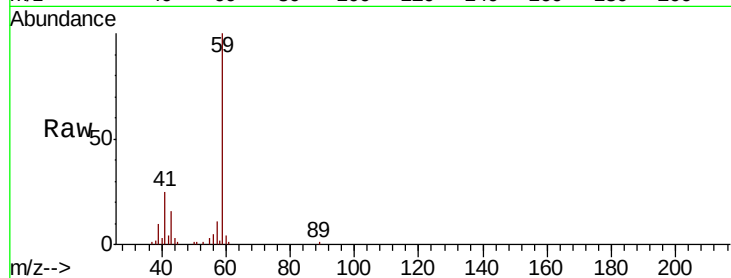
ClientSampleId :

Tot Ion: 59 Resp: 111983

Ion Ratio Lower Upper

59 100

57 10.4 8.6 12.8



#12

1,1-Dichloroethene

Concen: 20.281 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

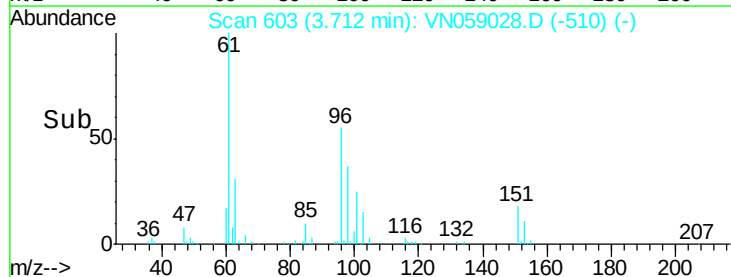
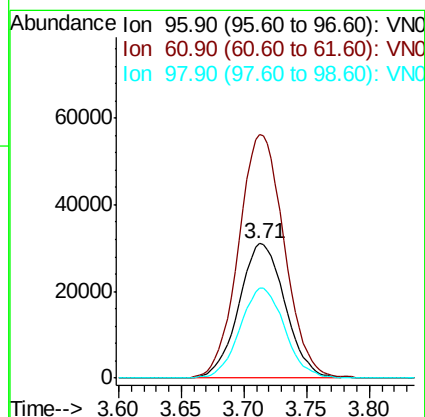
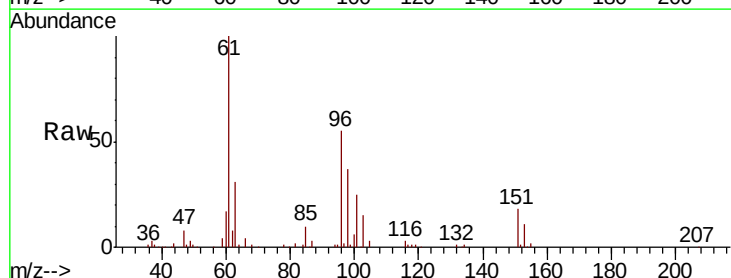
Tgt Ion: 96 Resp: 79263

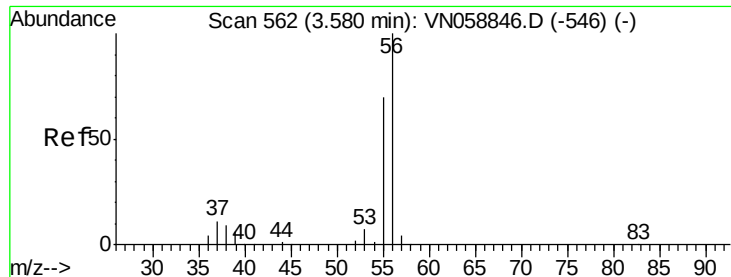
Ion Ratio Lower Upper

96 100

61 181.1 146.2 219.2

98 66.8 48.7 73.1





#13

Acrolein

Concen: 69.456 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

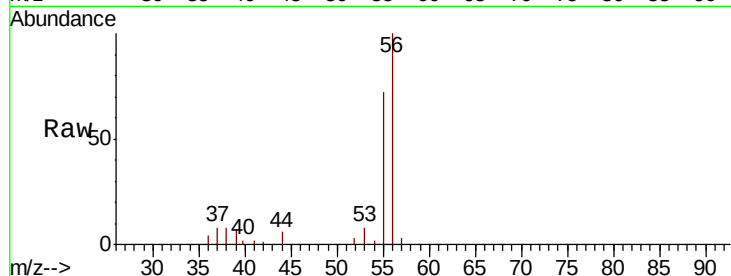
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 46048

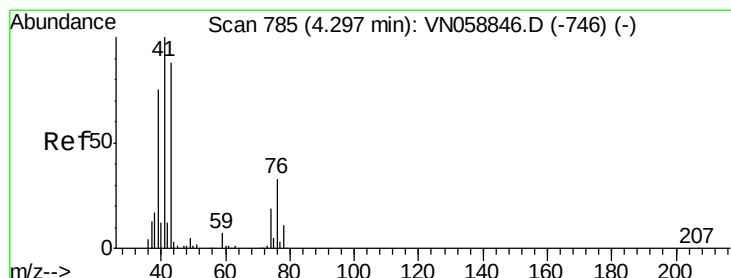
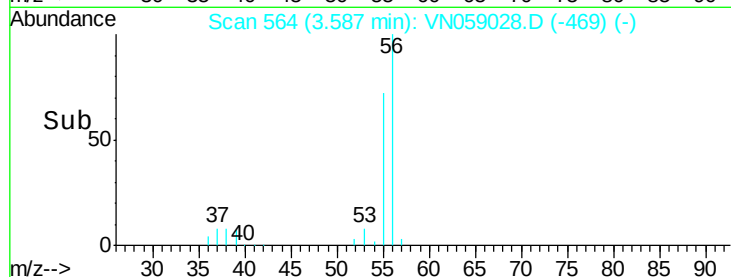
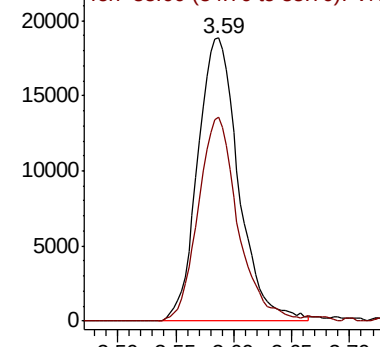
Ion Ratio Lower Upper

56 100

55 70.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 21.098 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

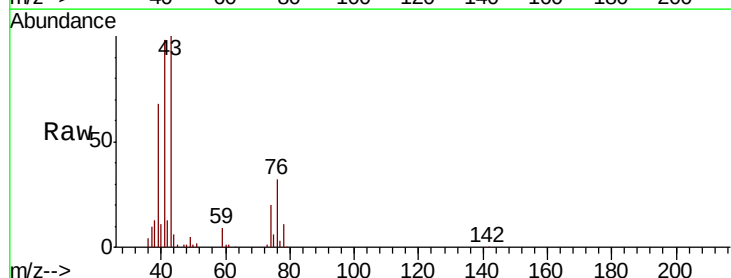
Tgt Ion: 41 Resp: 166852

Ion Ratio Lower Upper

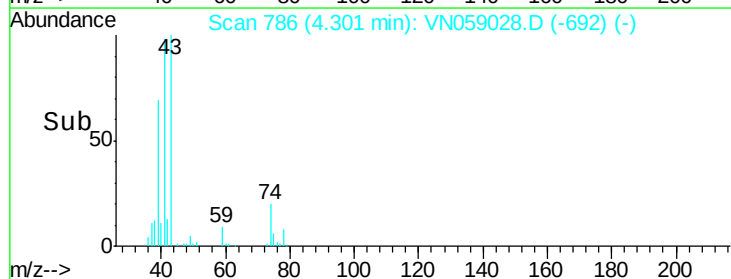
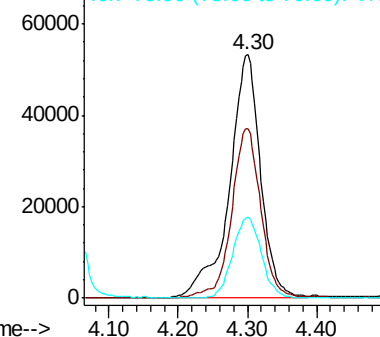
41 100

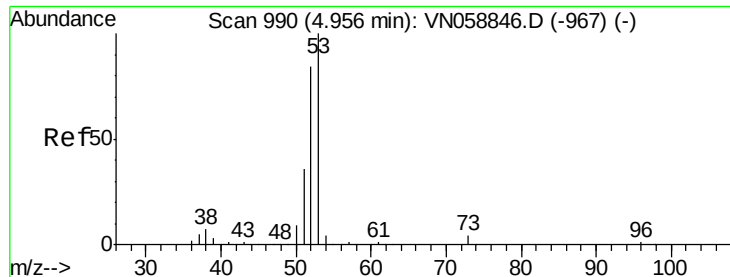
39 64.8 55.9 83.9

76 30.3 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 118.392 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :  
MSVOA\_N  
ClientSampled :

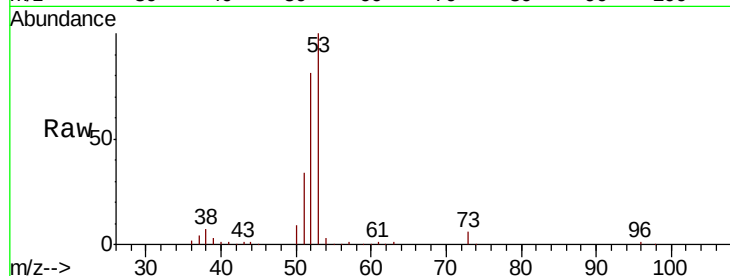
Tot Ion: 53 Resp: 287348

Ion Ratio Lower Upper

53 100

52 82.0 66.6 99.8

51 35.4 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)

4.96

80000

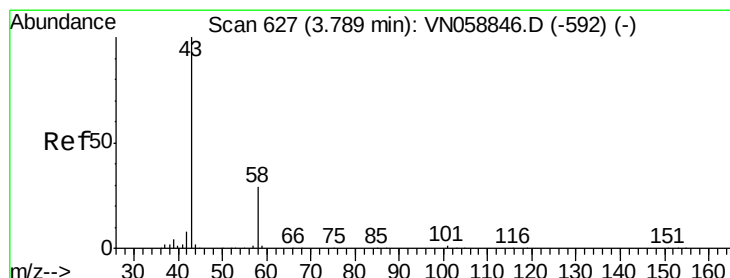
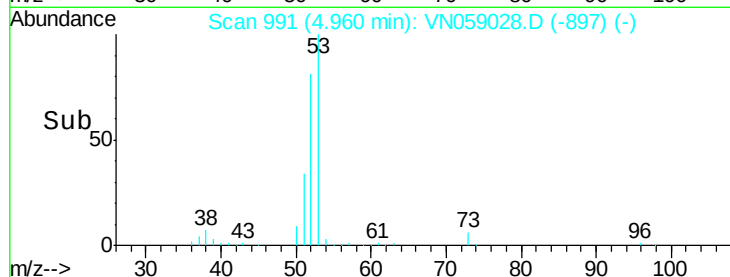
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 107.043 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059028.D

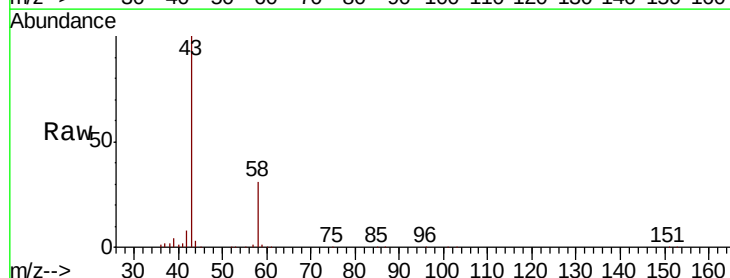
Acq: 31 Oct 2019 10:33

Tgt Ion: 43 Resp: 307554

Ion Ratio Lower Upper

43 100

58 30.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

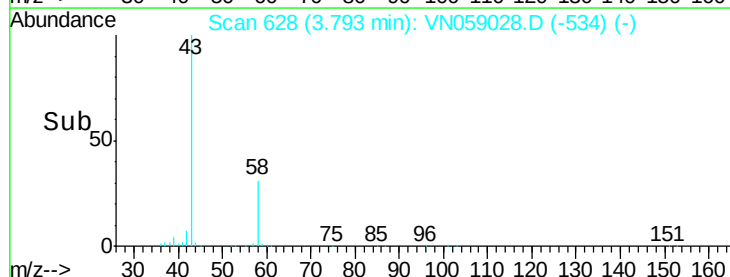
3.79

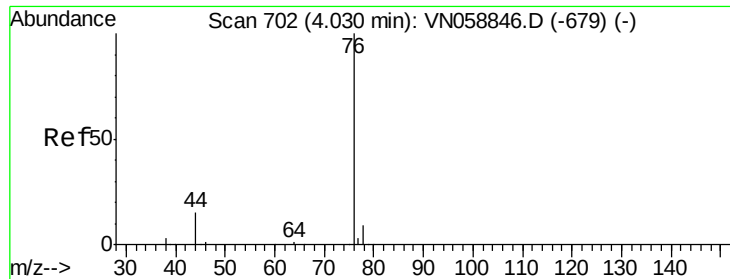
100000

50000

0

Time-->

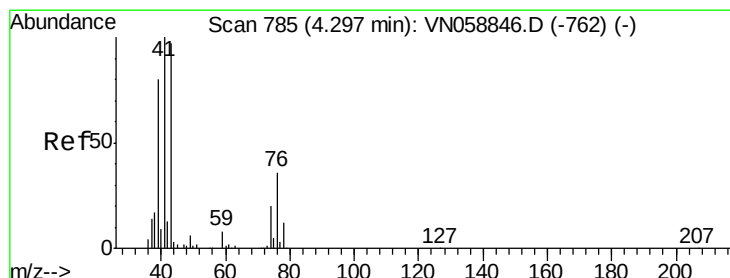
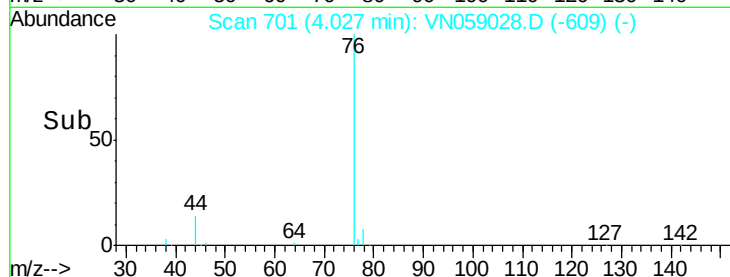
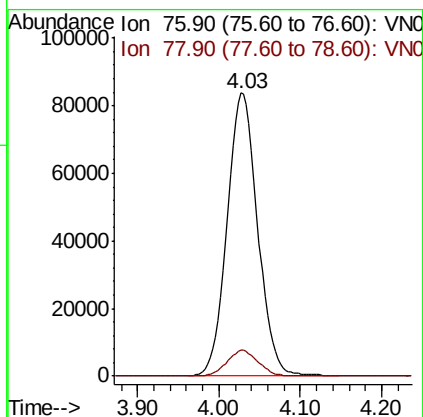
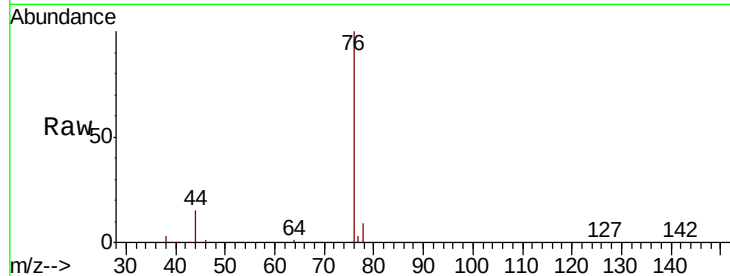




#17  
Carbon Disulfide  
Concen: 17.464 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

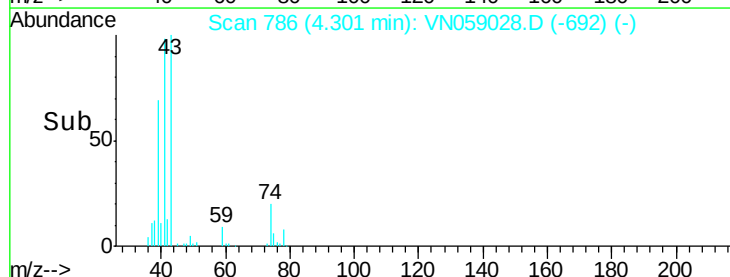
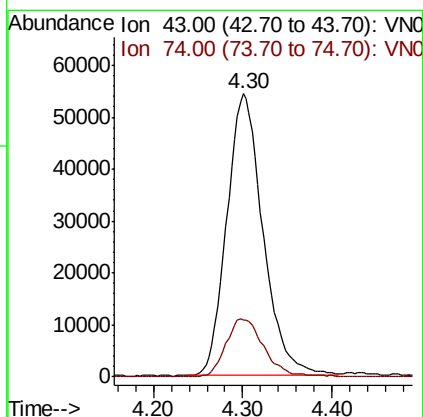
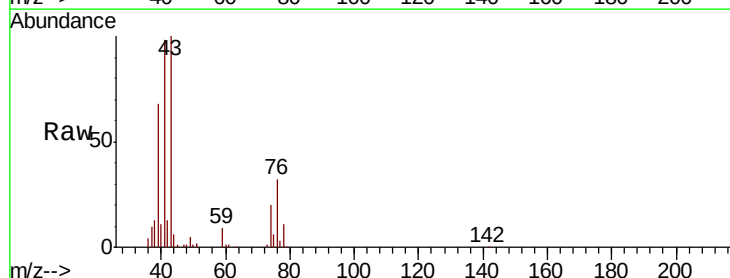
Instrument :  
MSVOA\_N  
ClientSampleId :

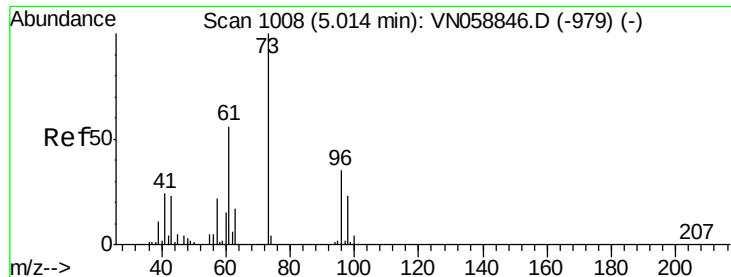
Tot Ion: 76 Resp: 219862  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.1 10.7



#18  
Methyl Acetate  
Concen: 23.498 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 43 Resp: 153493  
Ion Ratio Lower Upper  
43 100  
74 21.3 17.1 25.7

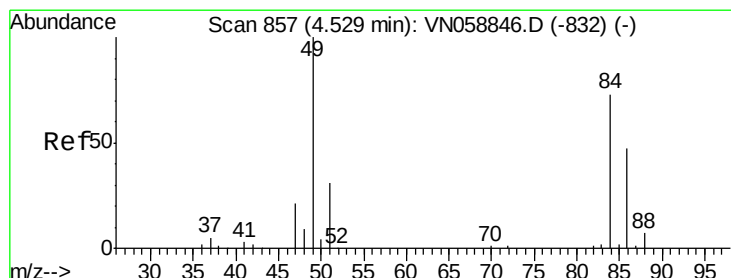
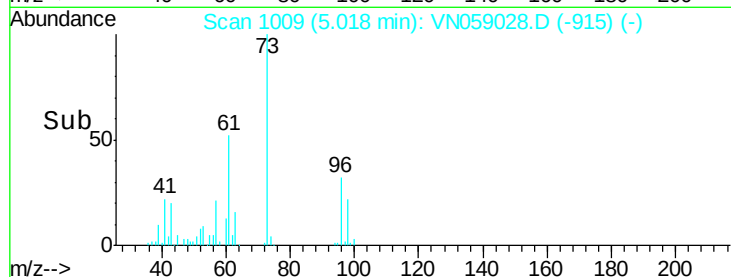
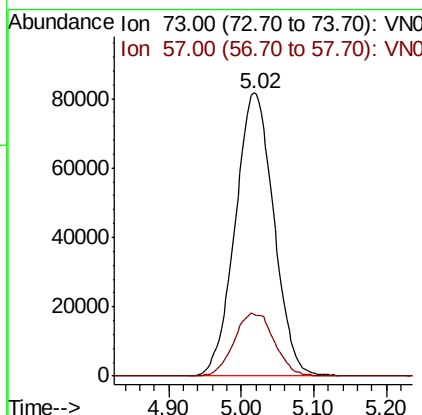
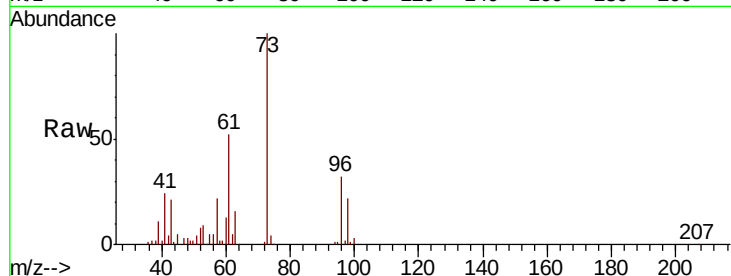




#19  
Methyl tert-butyl Ether  
Concen: 22.111 ug/l  
RT: 5.02 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

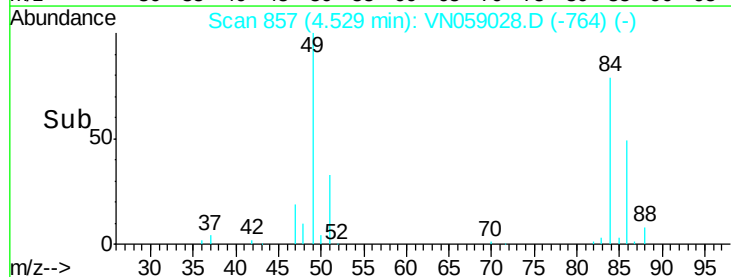
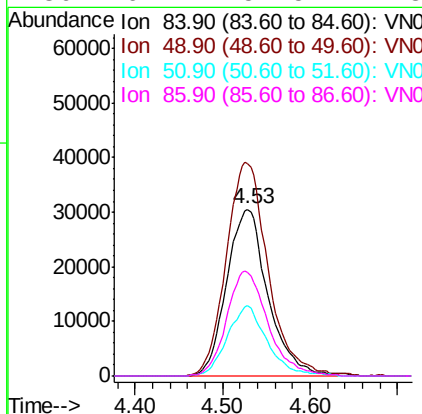
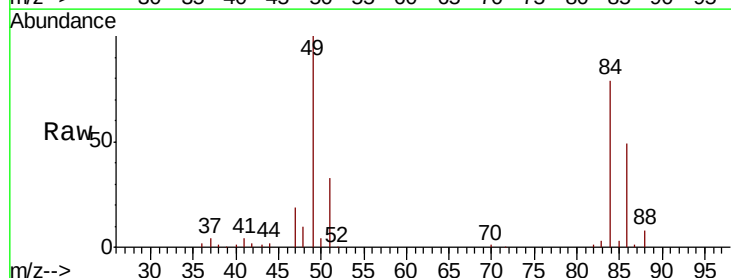
Instrument :  
MSVOA\_N  
ClientSampleId :

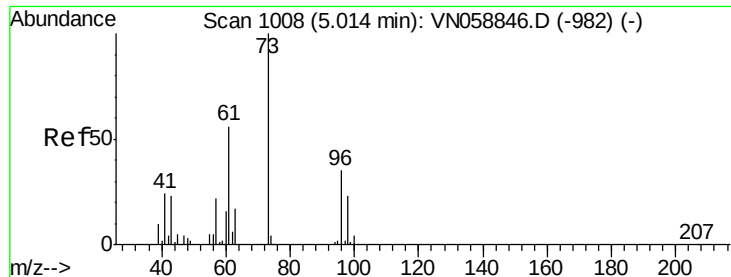
Tot Ion: 73 Resp: 302579  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.9 26.9



#20  
Methylene Chloride  
Concen: 20.343 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 84 Resp: 99803  
Ion Ratio Lower Upper  
84 100  
49 126.7 109.6 164.4  
51 42.3 33.8 50.6  
86 62.2 51.5 77.3



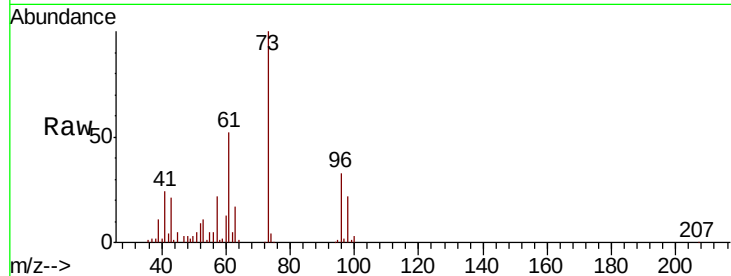


#21

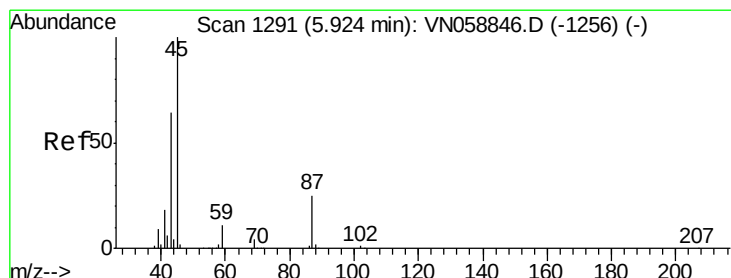
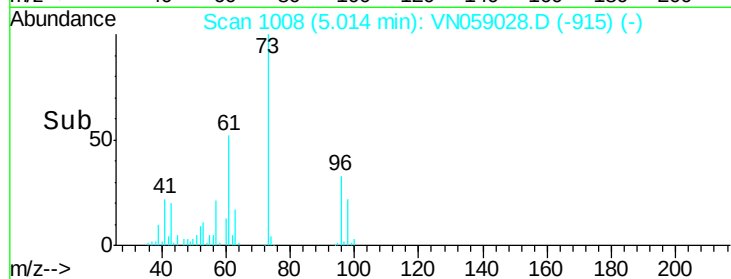
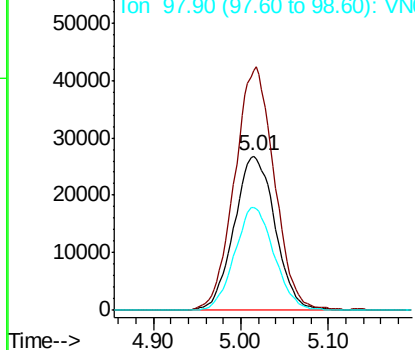
trans-1,2-Dichloroethene  
Concen: 20.151 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 96 Resp: 86971  
Ion Ratio Lower Upper  
96 100  
61 155.7 126.7 190.1  
98 66.9 52.0 78.0



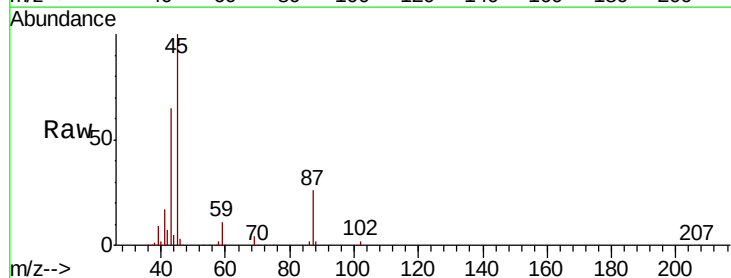
Abundance Ion 95.90 (95.60 to 96.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO



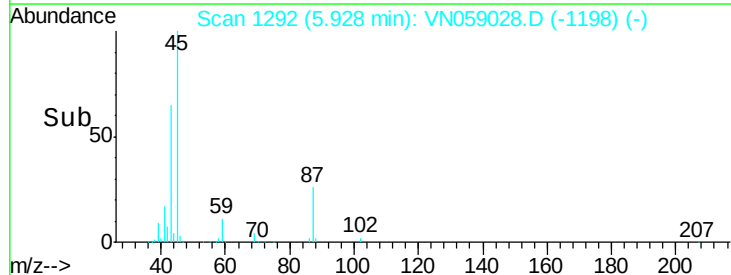
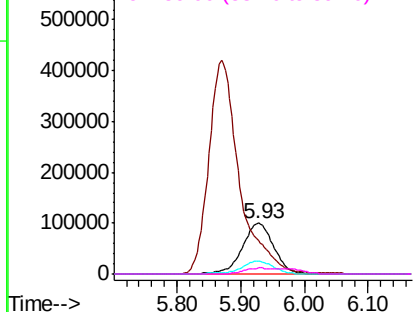
#22

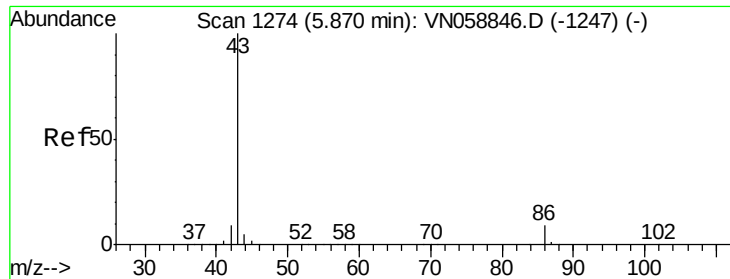
Diisopropyl ether  
Concen: 22.110 ug/l  
RT: 5.93 min Scan# 1292  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 45 Resp: 342014  
Ion Ratio Lower Upper  
45 100  
43 63.4 52.9 79.3  
87 25.7 20.2 30.4  
59 11.2 8.8 13.2



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





#23

Vinyl Acetate

Concen: 113.517 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

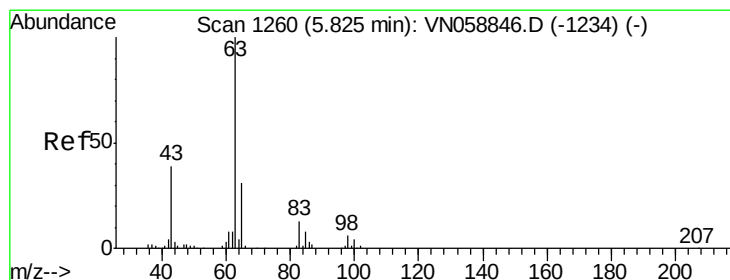
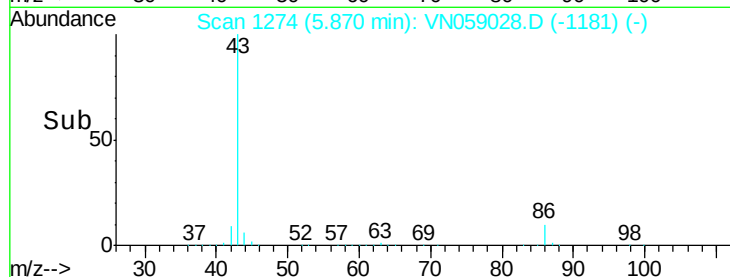
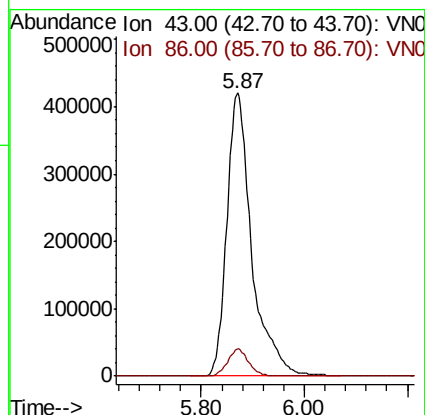
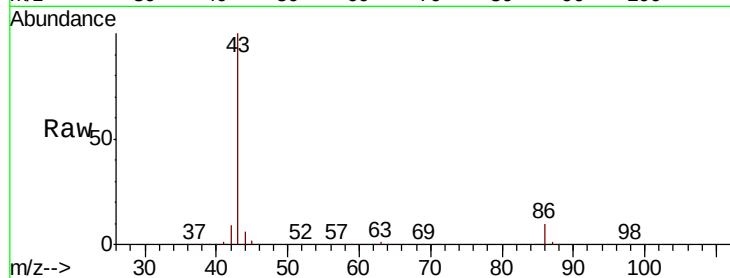
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 1410775

Ion Ratio Lower Upper

43 100

86 9.5 7.2 10.8



#24

1,1-Dichloroethane

Concen: 20.796 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

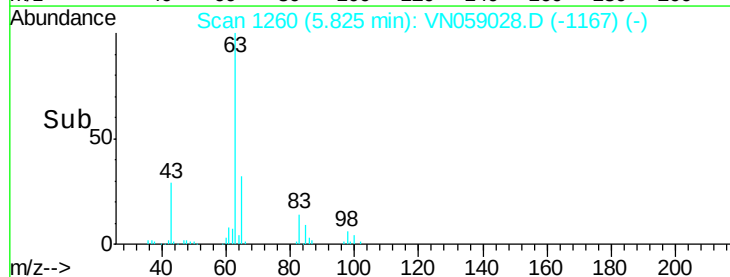
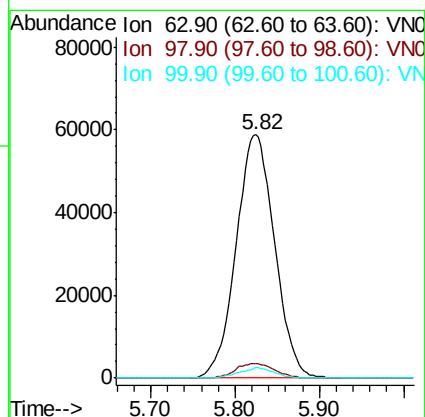
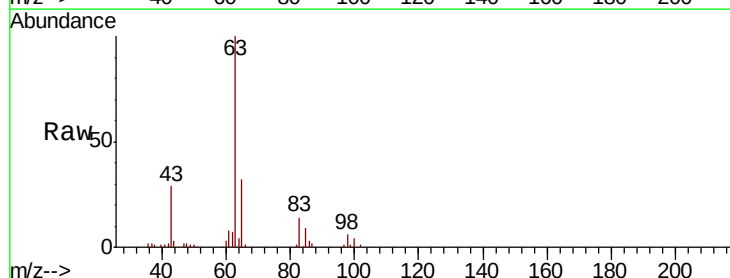
Tgt Ion: 63 Resp: 186527

Ion Ratio Lower Upper

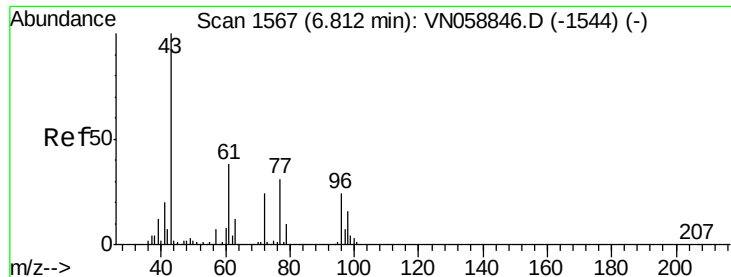
63 100

98 6.0 2.8 8.4

100 4.2 1.9 5.7







#25

2-Butanone

Concen: 110.129 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

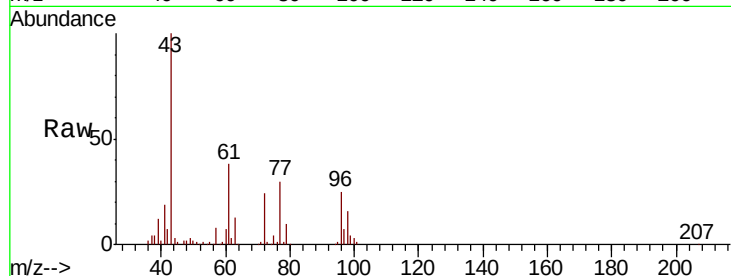
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 410745

Ion Ratio Lower Upper

43 100

72 24.4 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1544) (-)

6.81

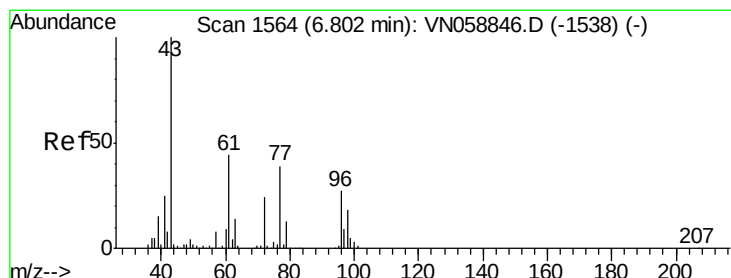
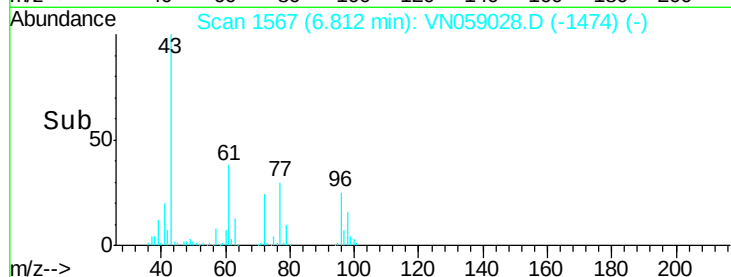
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.381 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059028.D

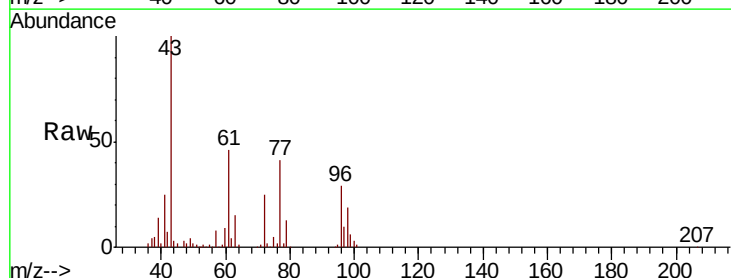
Acq: 31 Oct 2019 10:33

Tgt Ion: 77 Resp: 158119

Ion Ratio Lower Upper

77 100

97 22.8 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN058846.D (-1538) (-)

6.80

60000

50000

40000

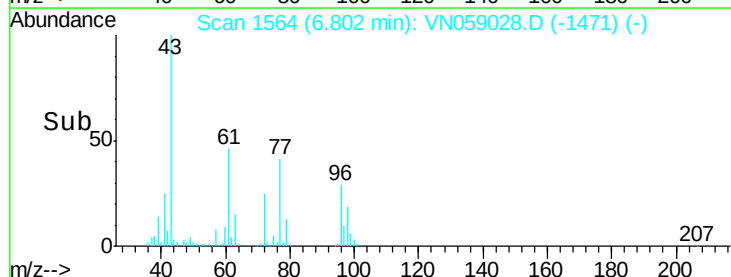
30000

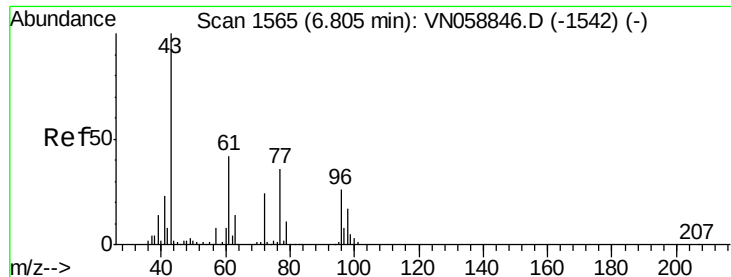
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.446 ug/l

RT: 6.81 min Scan# 1566

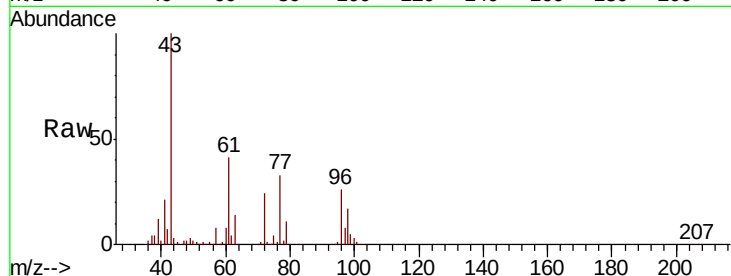
Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :  
MSVOA\_N  
ClientSampleId :

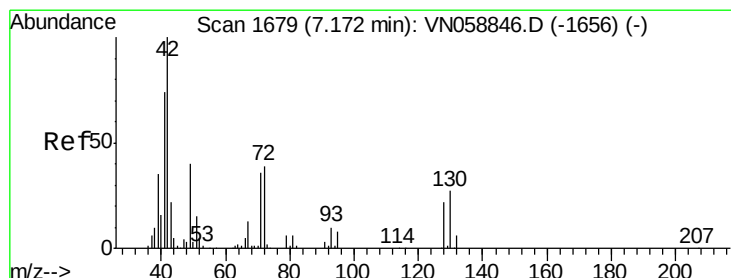
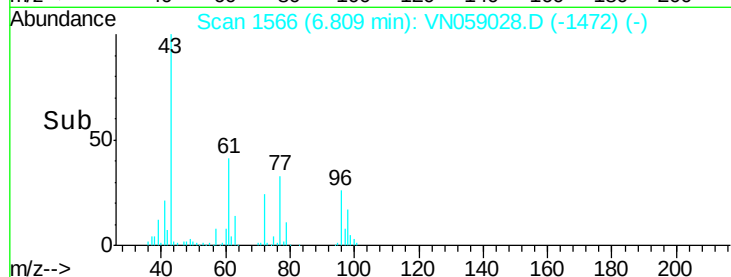
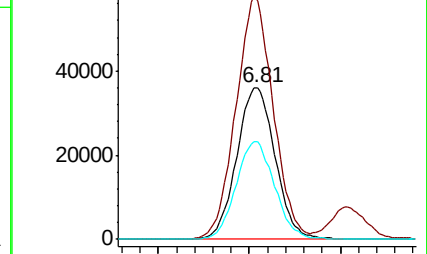
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 105741 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 154.9 | 0.0   | 325.0  |
| 98       | 64.5  | 0.0   | 128.0  |



Abundance Ion 95.90 (95.60 to 96.60): VN059028.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN059028.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN059028.D (-1472) (-)



#28

Bromochloromethane

Concen: 19.584 ug/l

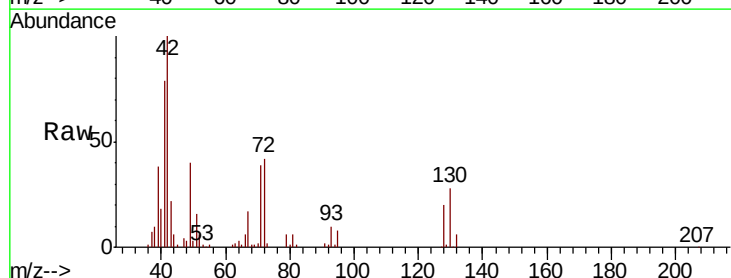
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

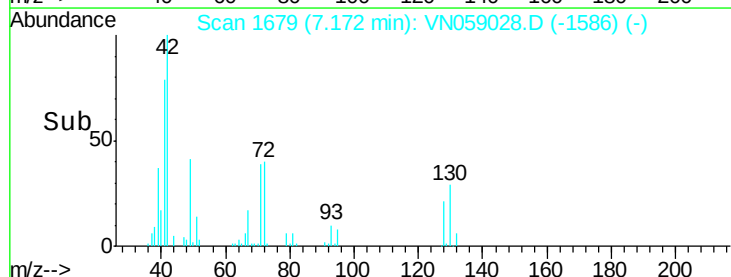
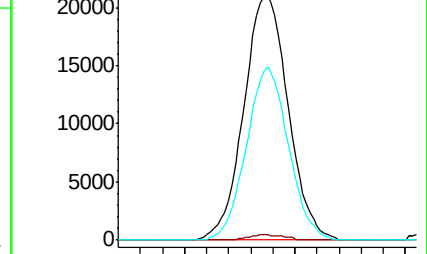
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 58501 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.8   | 0.0   | 3.2   |
| 130      | 67.0  | 53.5  | 80.3  |

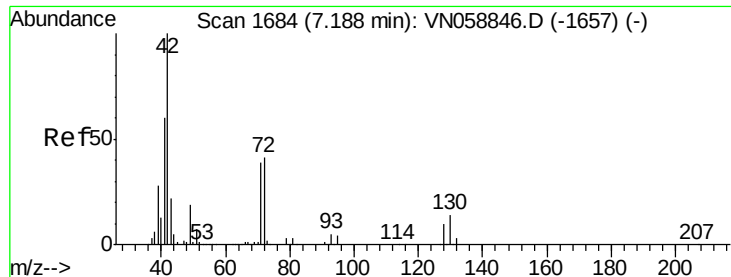


Abundance Ion 48.90 (48.60 to 49.60): VN059028.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN059028.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN059028.D (-1586) (-)

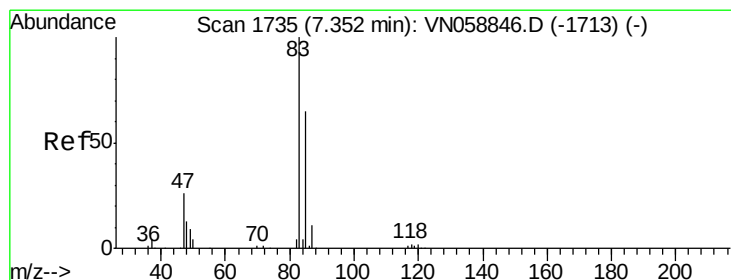
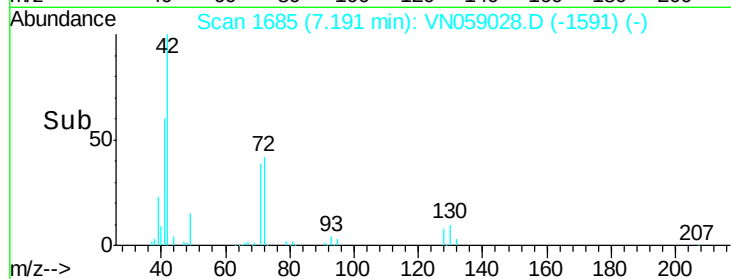
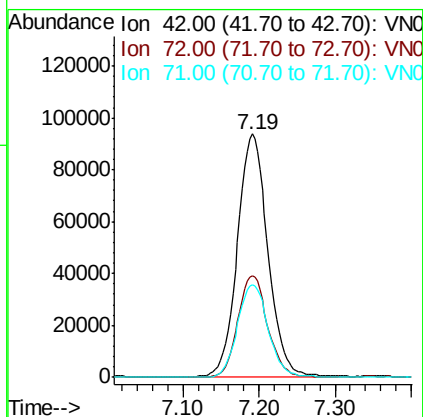
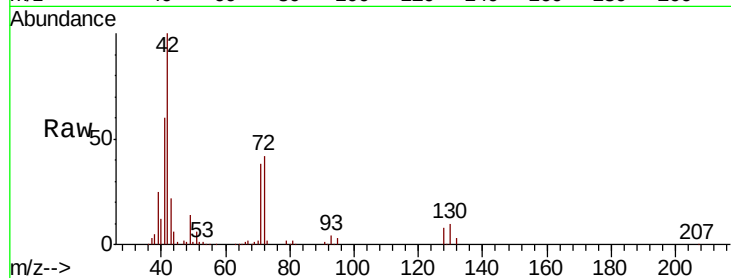




#29  
Tetrahydrofuran  
Concen: 115.126 ug/l  
RT: 7.19 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

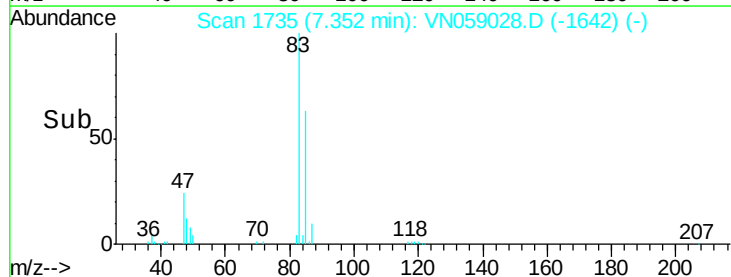
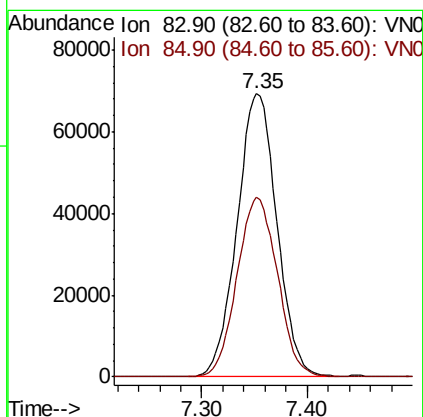
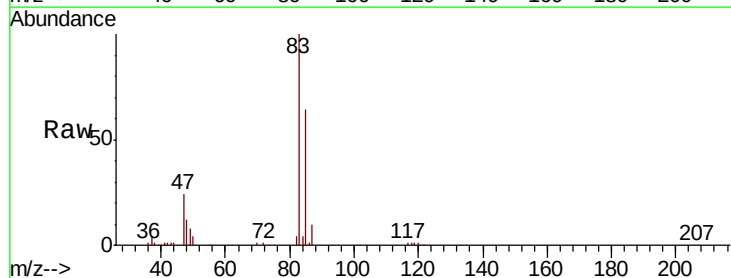
Instrument :  
MSVOA\_N  
ClientSampled :

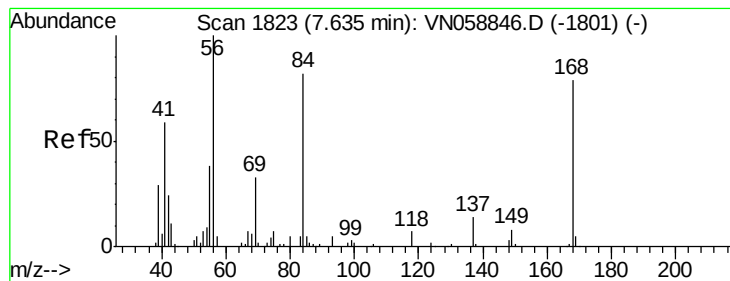
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.8  | 32.2  | 48.2  |
| 71      | 38.3  | 30.6  | 45.8  |



#30  
Chloroform  
Concen: 20.255 ug/l  
RT: 7.35 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.5  | 51.9  | 77.9  |





#31

Cyclohexane

Concen: 19.207 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :  
MSVOA\_N  
ClientSampled :

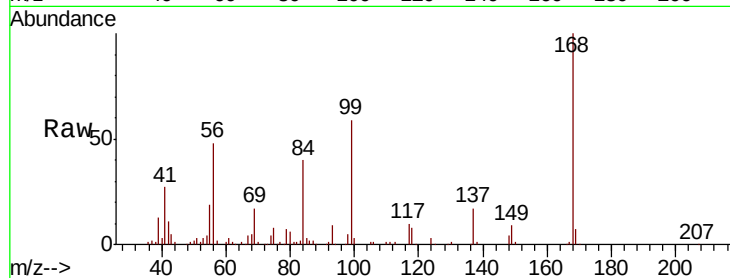
Tot Ion: 56 Resp: 160496

Ion Ratio Lower Upper

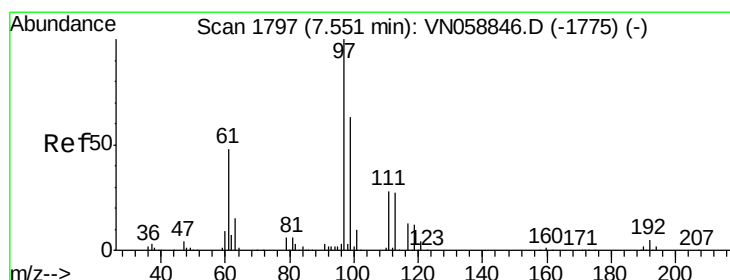
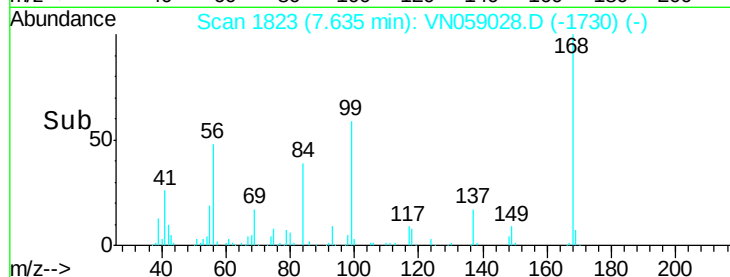
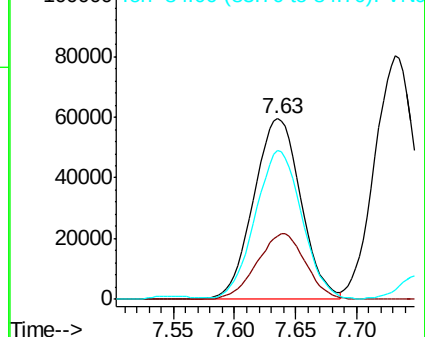
56 100

69 34.8 26.2 39.4

84 81.5 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 20.446 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

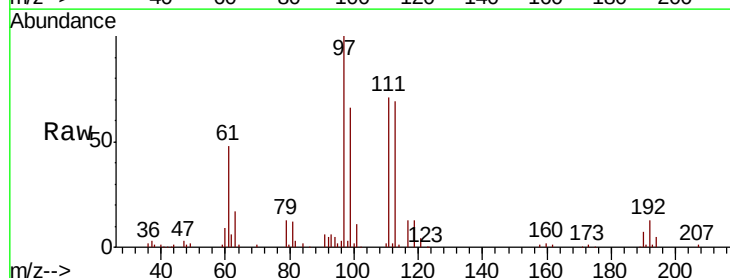
Tgt Ion: 97 Resp: 155054

Ion Ratio Lower Upper

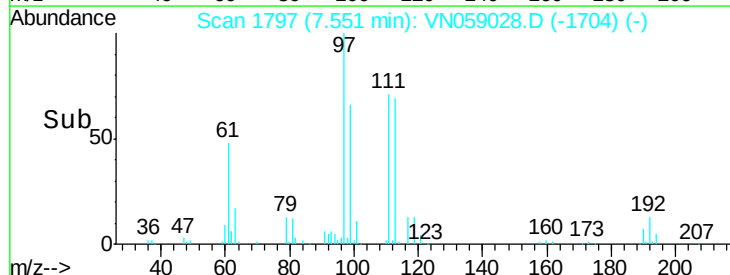
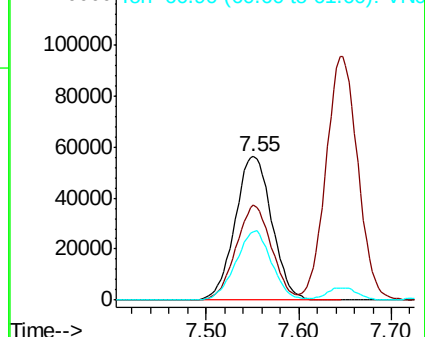
97 100

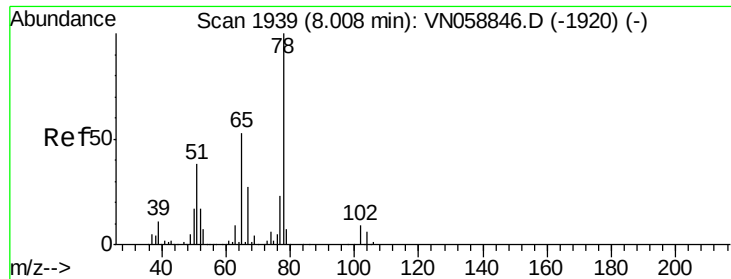
99 63.7 51.0 76.4

61 46.7 38.6 58.0



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

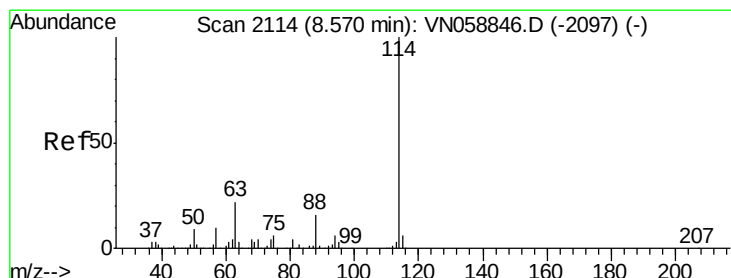
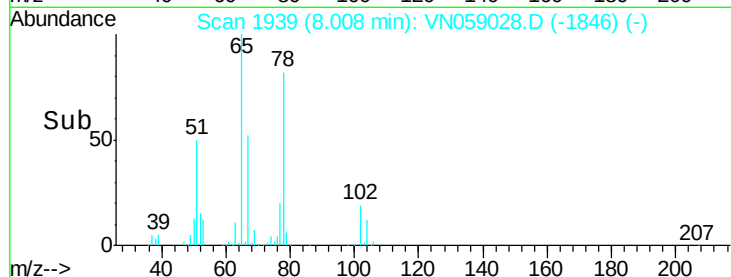
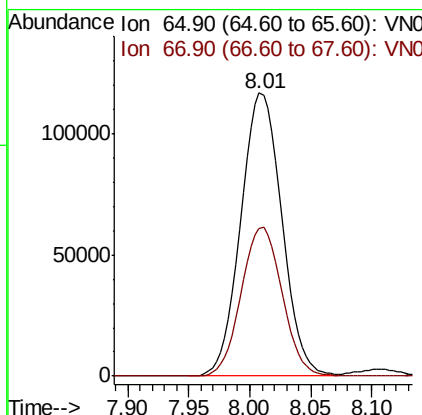
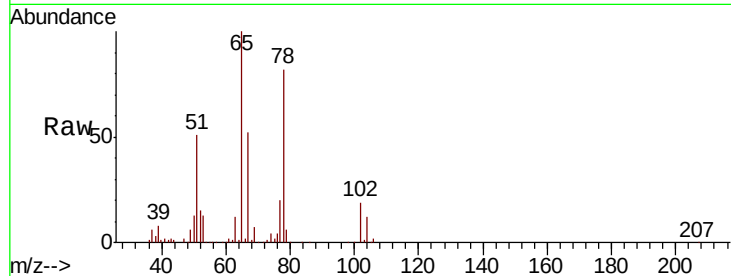




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.884 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

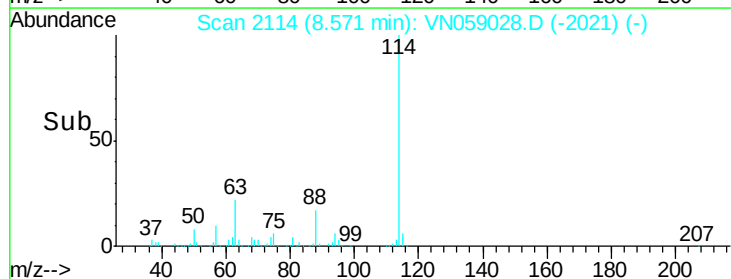
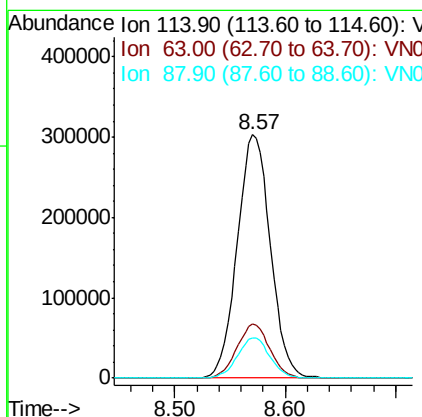
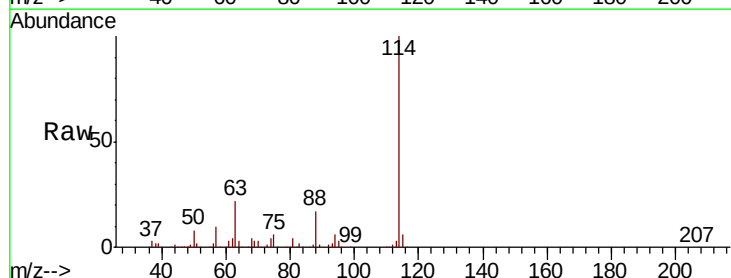
Instrument :  
 MSVOA\_N  
 ClientSampled :

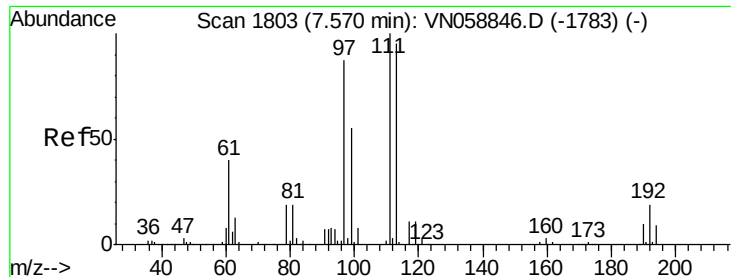
Tot Ion: 65 Resp: 272604  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 103.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

Tgt Ion: 114 Resp: 630477  
 Ion Ratio Lower Upper  
 114 100  
 63 22.1 0.0 44.4  
 88 16.7 0.0 31.4

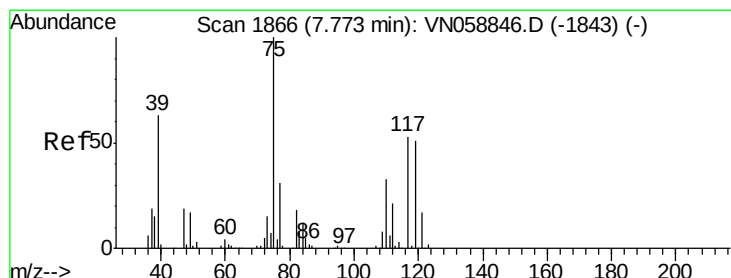
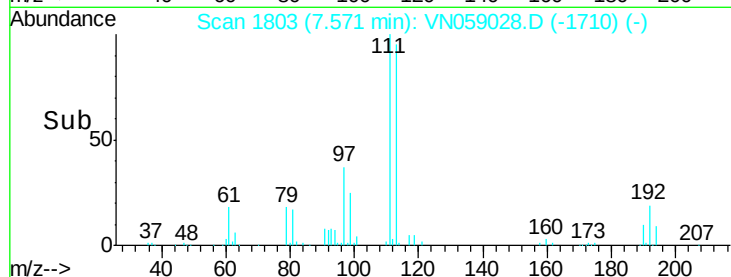
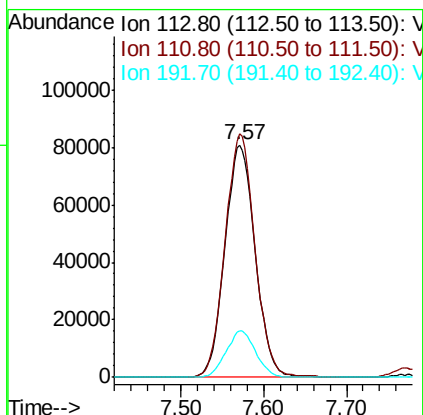
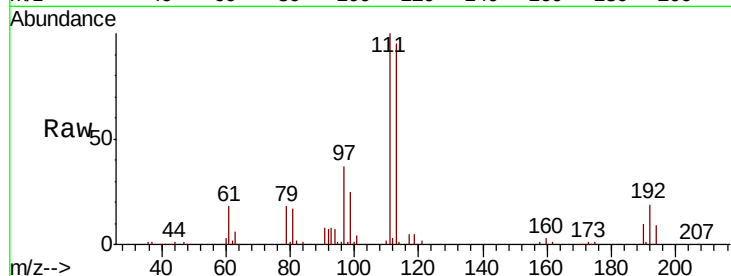




#35  
 Dibromofluoromethane  
 Concen: 49.541 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

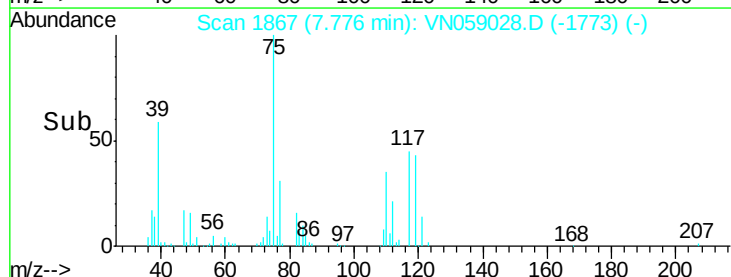
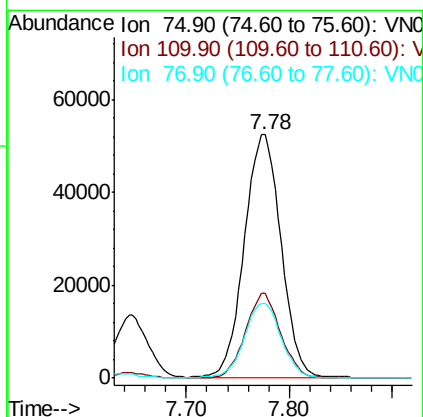
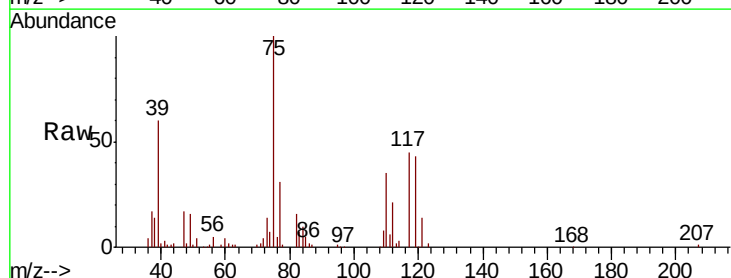
Instrument :  
 MSVOA\_N  
 ClientSampled :

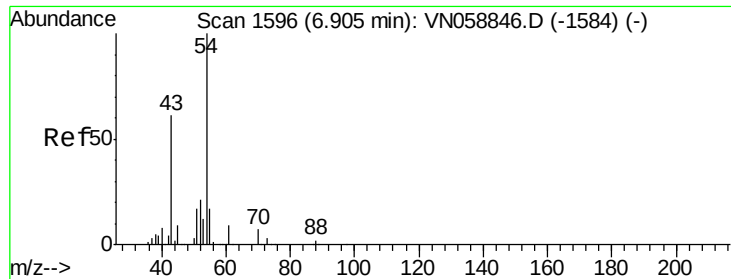
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 82.0  | 123.0 |
| 192     | 19.6  | 15.0  | 22.6  |



#36  
 1,1-Dichloropropene  
 Concen: 19.966 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.6  | 16.3  | 48.9  |
| 77      | 31.2  | 24.6  | 36.8  |

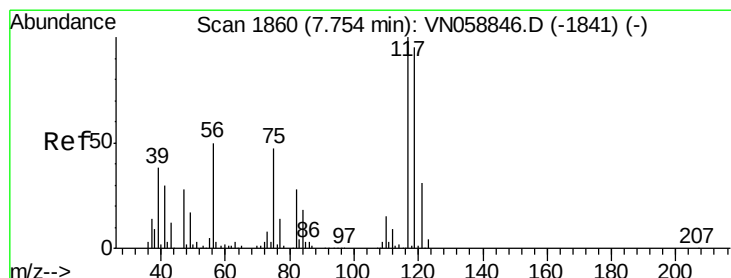
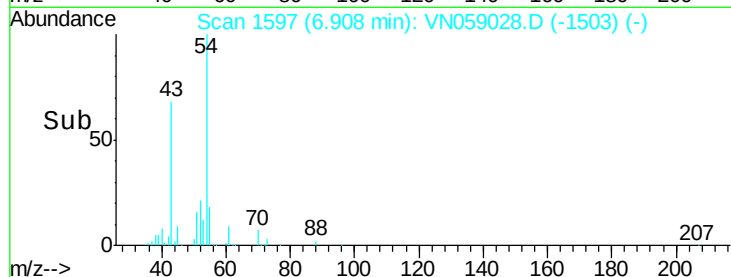
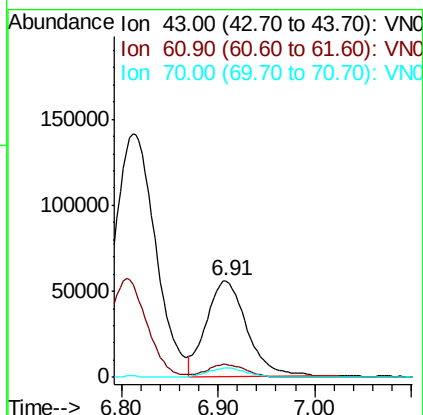
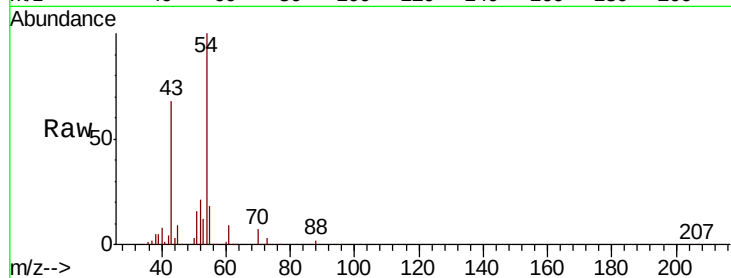




#37  
Ethyl Acetate  
Concen: 23.200 ug/l  
RT: 6.91 min Scan# 1597  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

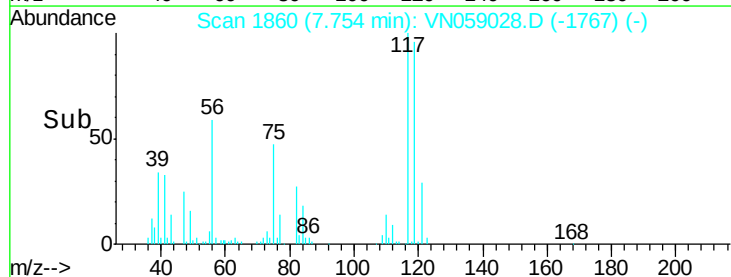
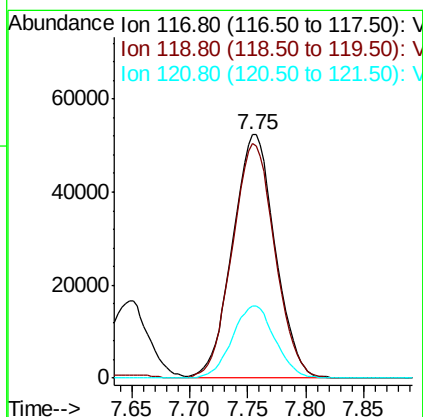
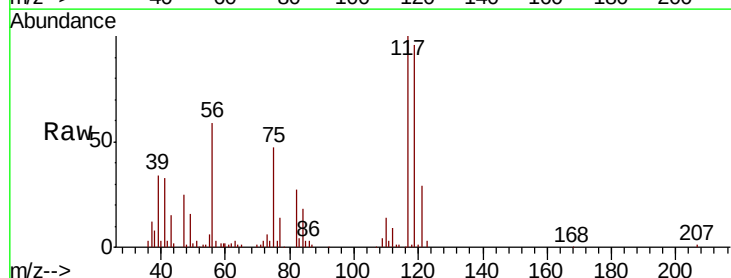
Instrument :  
MSVOA\_N  
ClientSampled :

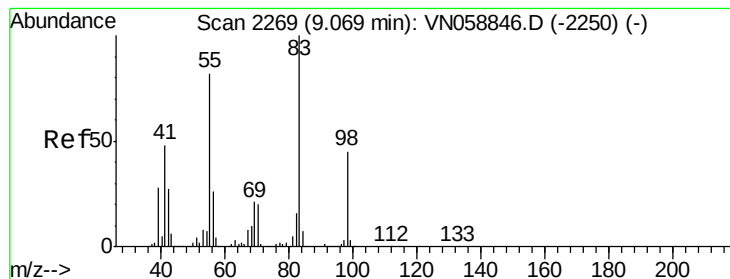
Tot Ion: 43 Resp: 163168  
Ion Ratio Lower Upper  
43 100  
61 12.7 10.5 15.7  
70 9.5 7.6 11.4



#38  
Carbon Tetrachloride  
Concen: 20.089 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 117 Resp: 133584  
Ion Ratio Lower Upper  
117 100  
119 96.2 75.7 113.5  
121 29.4 25.0 37.6





#39

Methylvlcyclohexane

Concen: 19.687 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampled :

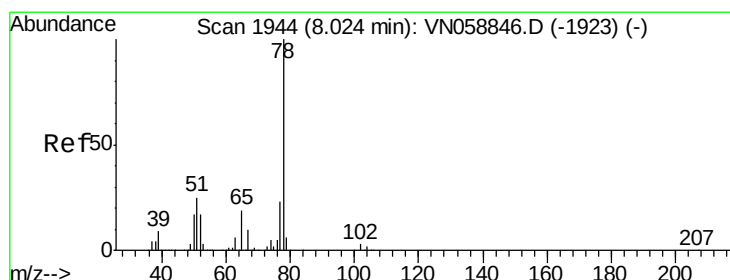
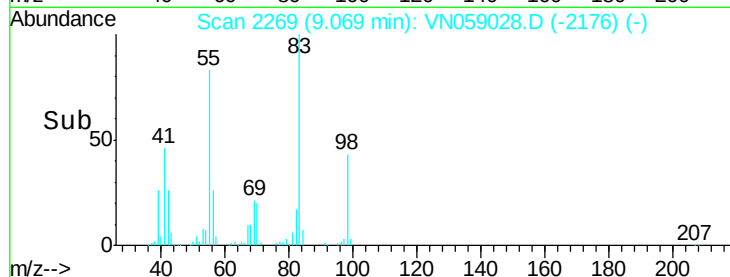
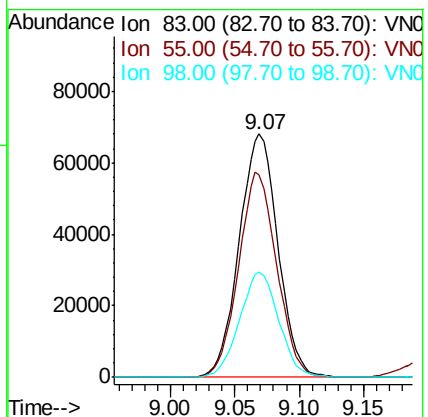
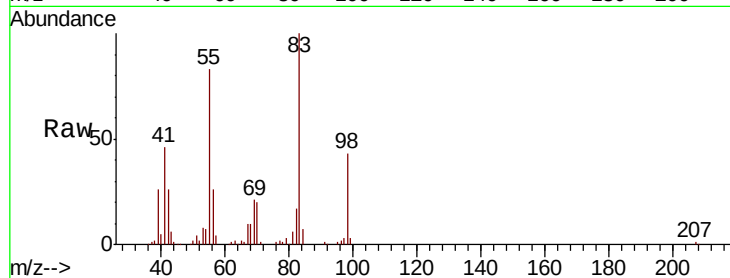
Tot Ion: 83 Resp: 142683

Ion Ratio Lower Upper

83 100

55 83.4 65.5 98.3

98 43.2 35.7 53.5



#40

Benzene

Concen: 21.103 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059028.D

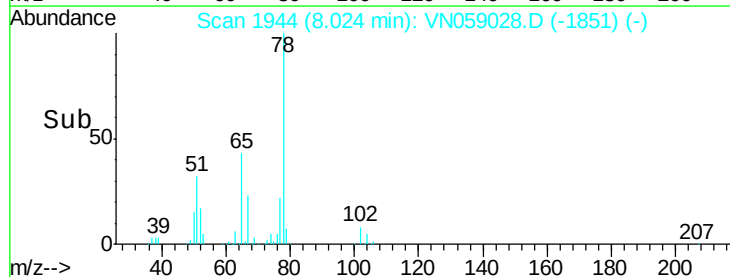
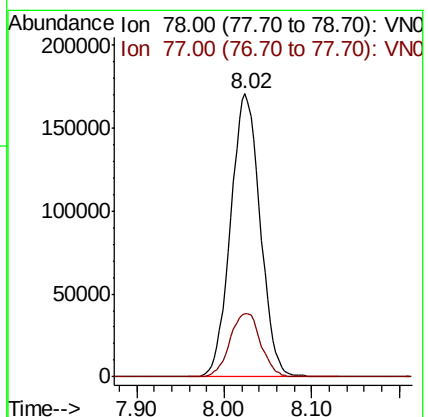
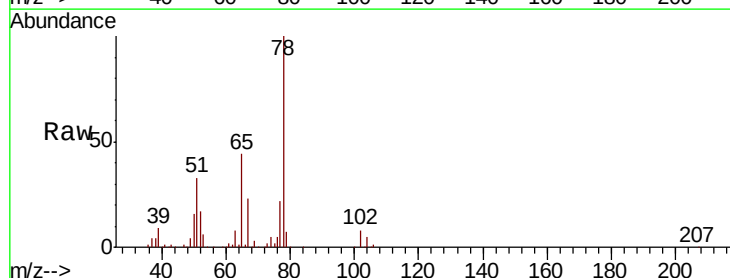
Acq: 31 Oct 2019 10:33

Tgt Ion: 78 Resp: 400000

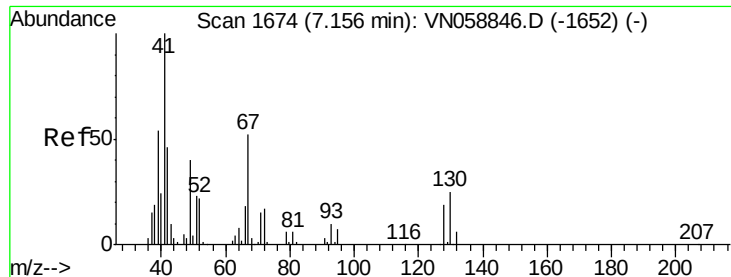
Ion Ratio Lower Upper

78 100

77 22.3 18.2 27.2



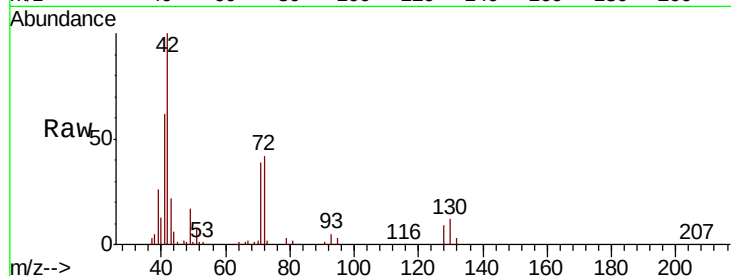




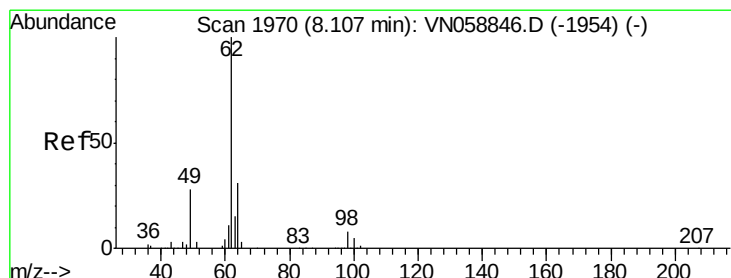
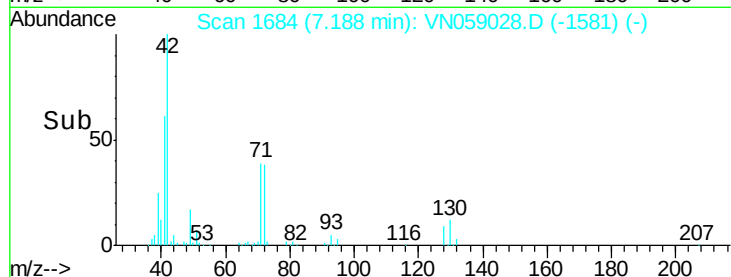
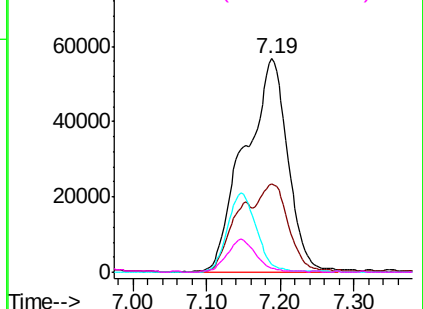
#41  
Methacrylonitrile  
Concen: 73.396 ug/l  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.03 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Instrument :  
MSVOA\_N  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 229909 |
| 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    |

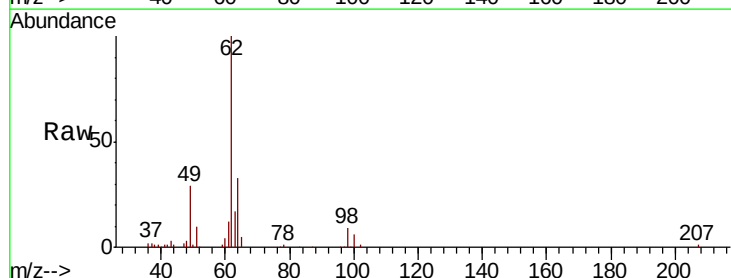


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

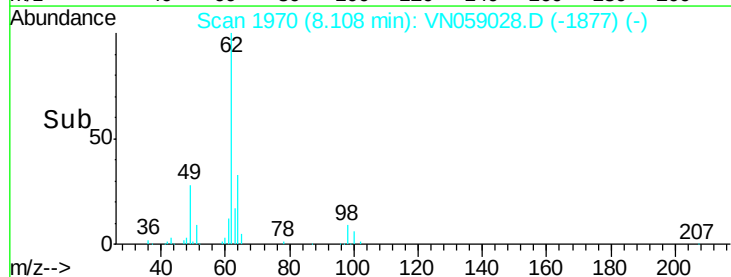
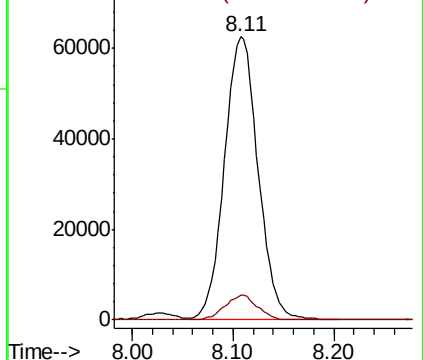


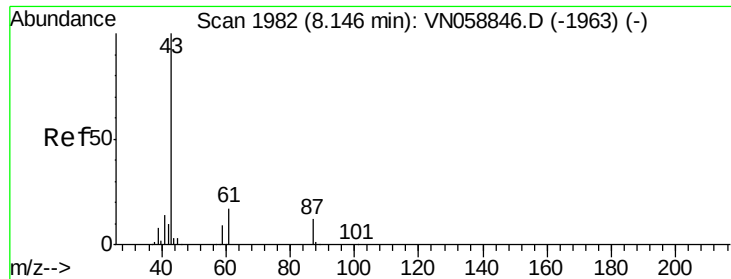
#42  
1,2-Dichloroethane  
Concen: 19.950 ug/l  
RT: 8.11 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 145667 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.4   | 0.0   | 16.2   |



Abundance Ion 61.90 (61.60 to 62.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 22.115 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampleId :

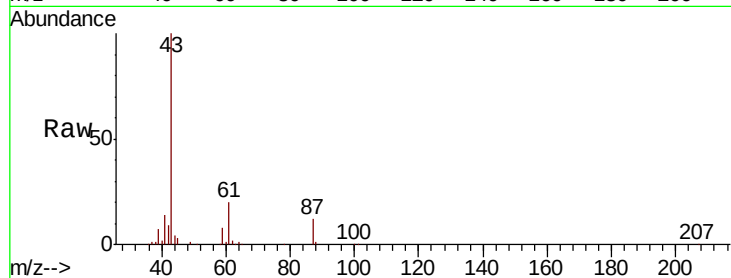
Tot Ion: 43 Resp: 249448

Ion Ratio Lower Upper

43 100

61 19.8 20.2 30.2#

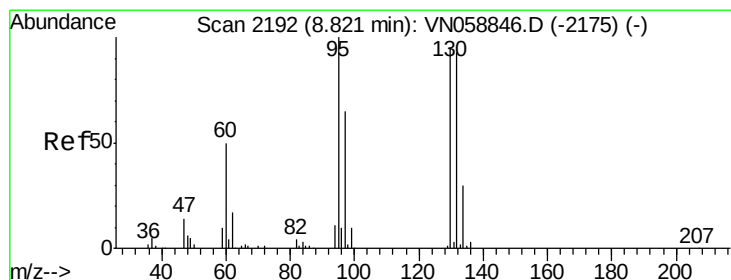
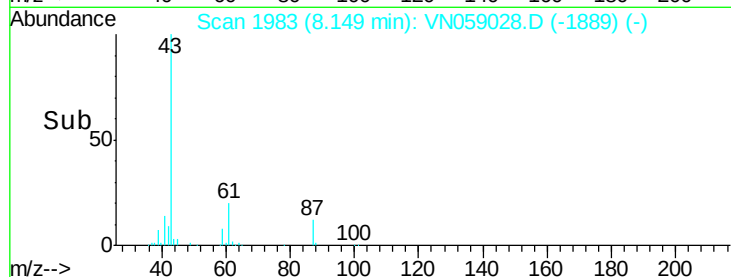
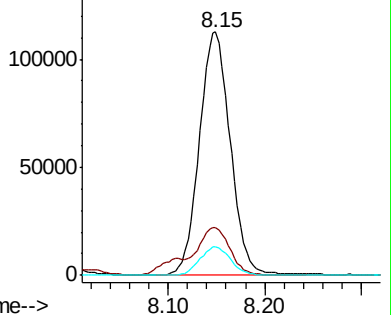
87 11.7 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)



#44

Trichloroethene

Concen: 20.850 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN059028.D

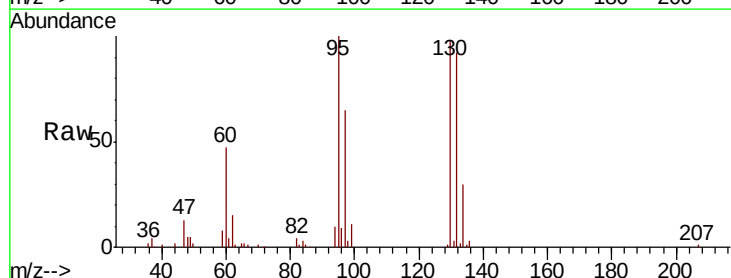
Acq: 31 Oct 2019 10:33

Tgt Ion:130 Resp: 96268

Ion Ratio Lower Upper

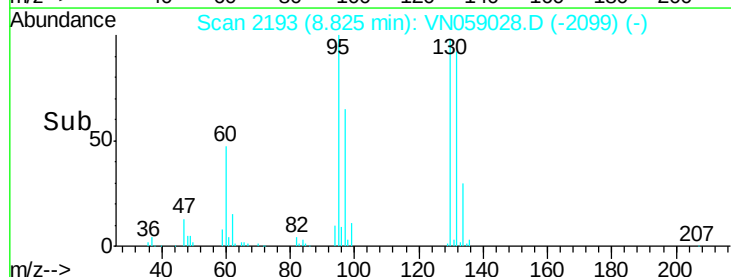
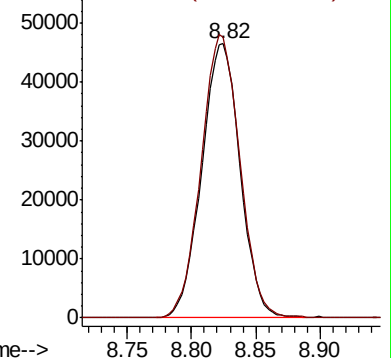
130 100

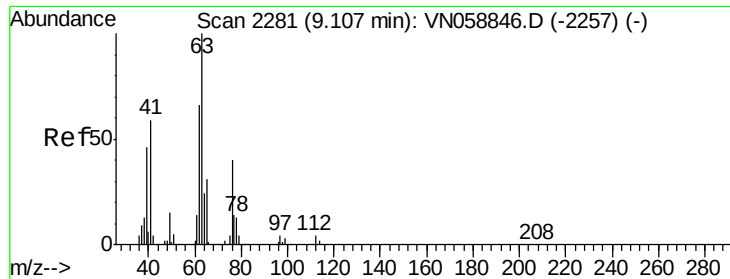
95 102.4 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)

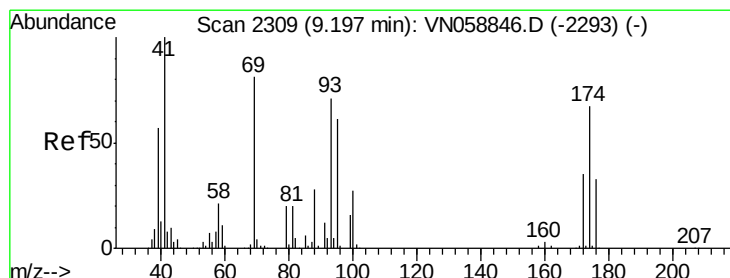
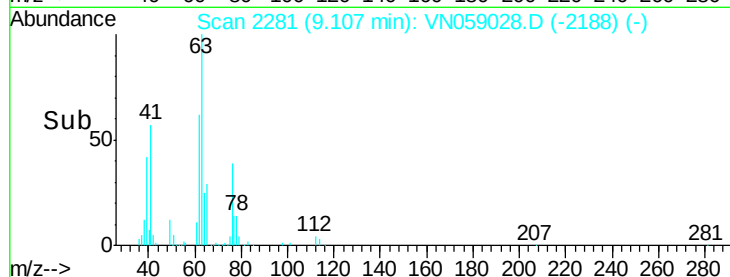
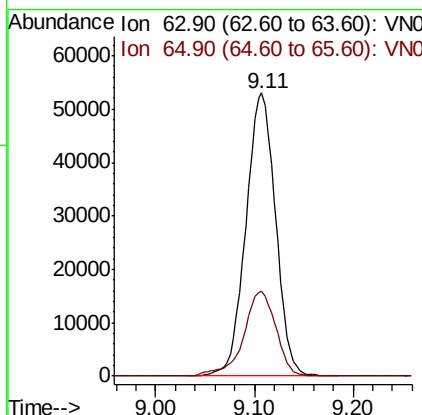
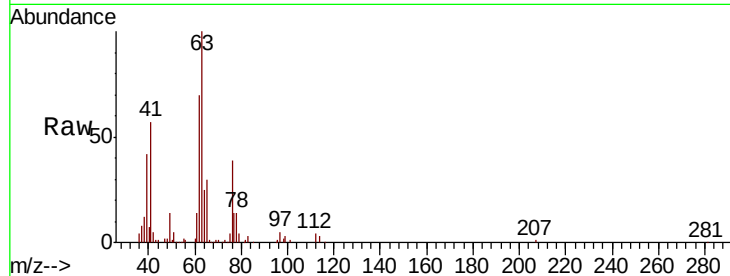




#45  
 1,2-Dichloropropane  
 Concen: 21.200 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

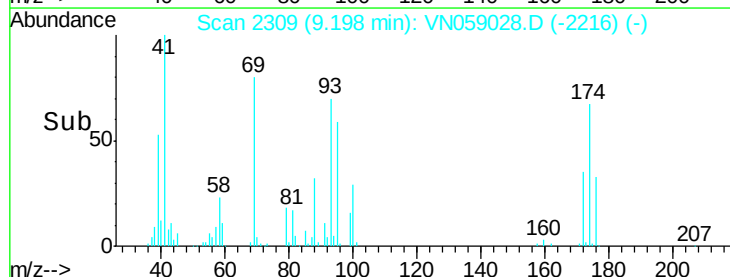
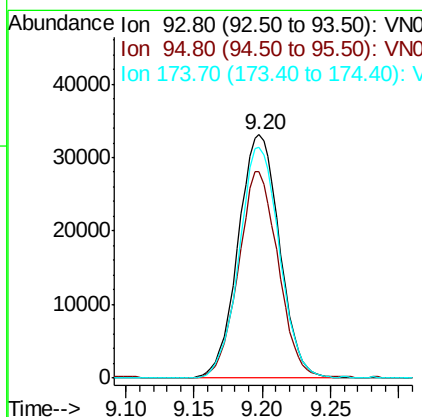
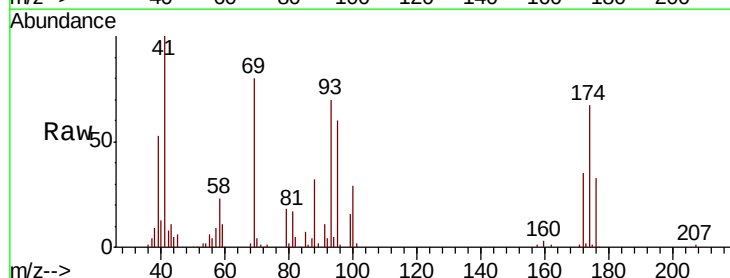
Instrument :  
 MSVOA\_N  
 ClientSampled :

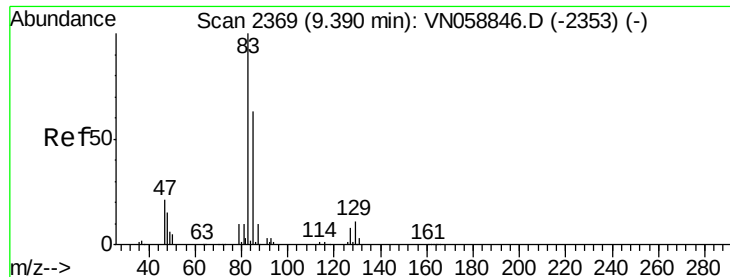
Tot Ion: 63 Resp: 110189  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 24.5 36.7



#46  
 Dibromomethane  
 Concen: 21.225 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

Tgt Ion: 93 Resp: 69741  
 Ion Ratio Lower Upper  
 93 100  
 95 81.3 67.6 101.4  
 174 92.5 74.1 111.1





#47

Bromodichloromethane

Concen: 20.828 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampleId :

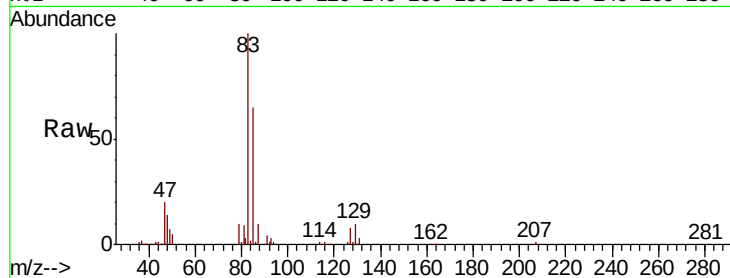
Tot Ion: 83 Resp: 141049

Ion Ratio Lower Upper

83 100

85 65.2 50.6 75.8

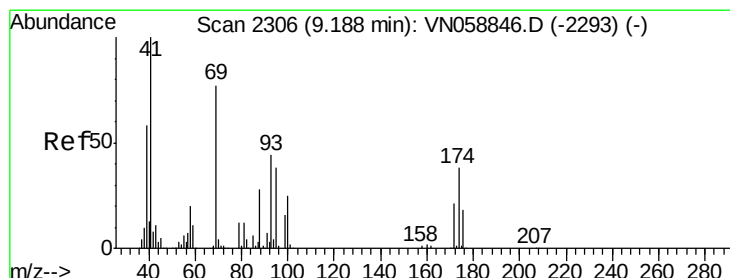
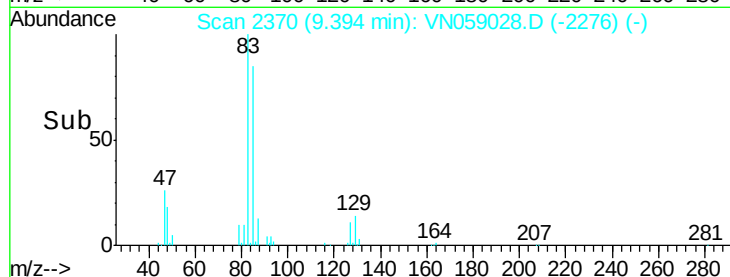
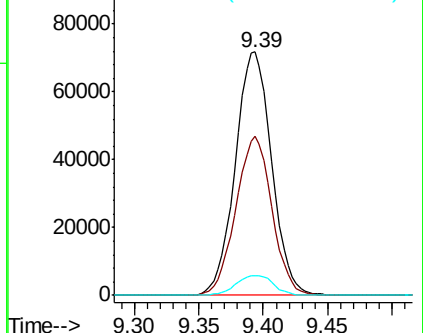
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 22.000 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

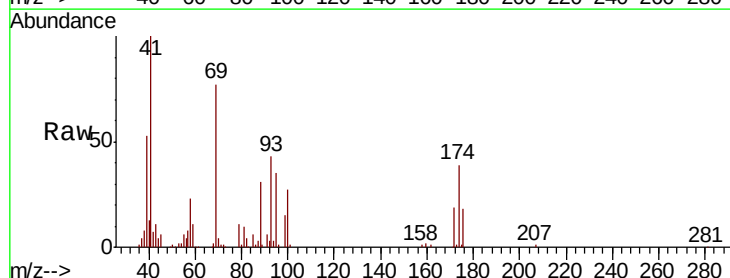
Tgt Ion: 41 Resp: 112587

Ion Ratio Lower Upper

41 100

69 81.1 63.8 95.6

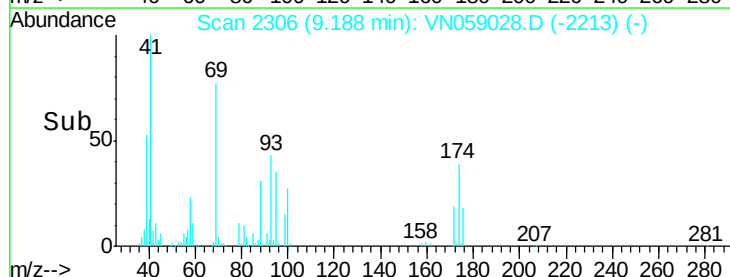
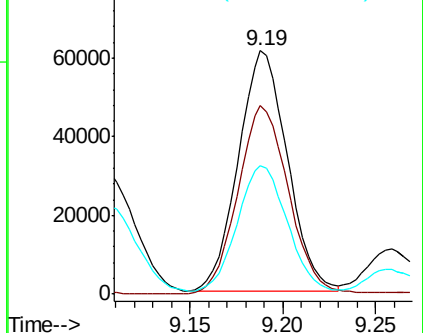
39 55.1 47.8 71.8

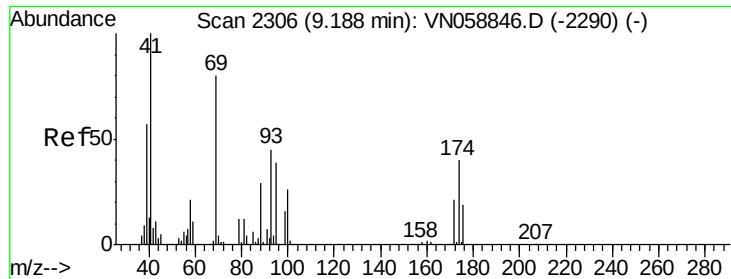


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

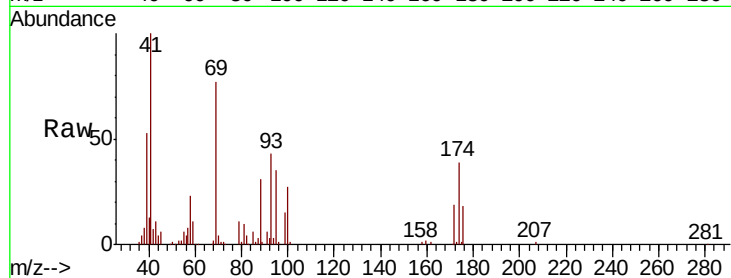




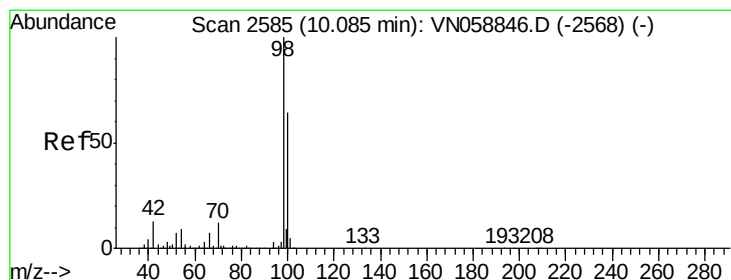
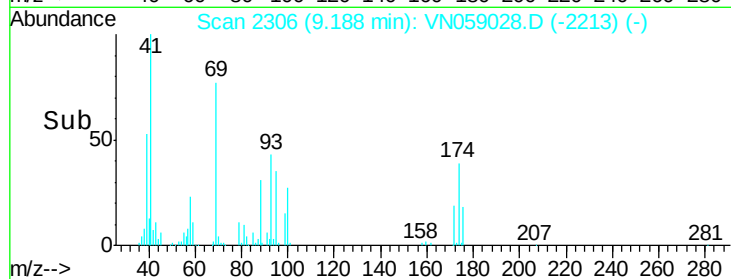
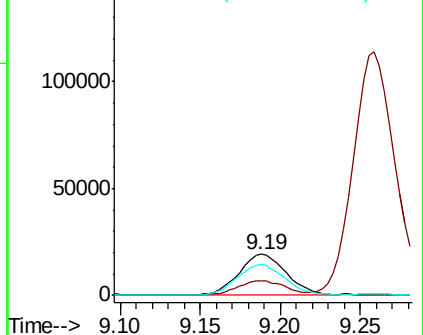
#49  
 1,4-Dioxane  
 Concen: 467.051 ug/l  
 RT: 9.19 min Scan# 2306  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion: 88 Resp: 39237  
 Ion Ratio Lower Upper  
 88 100  
 43 36.0 29.1 43.7  
 58 75.4 59.4 89.0

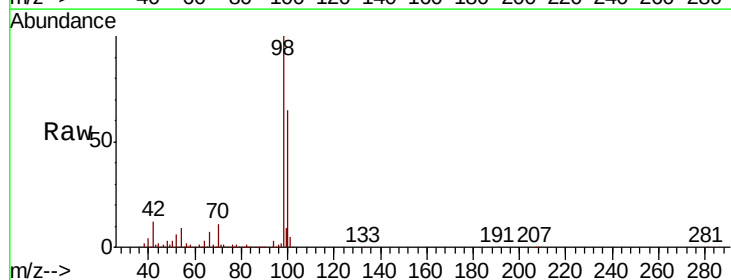


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

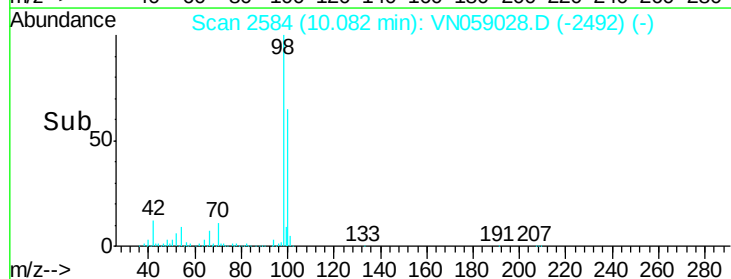
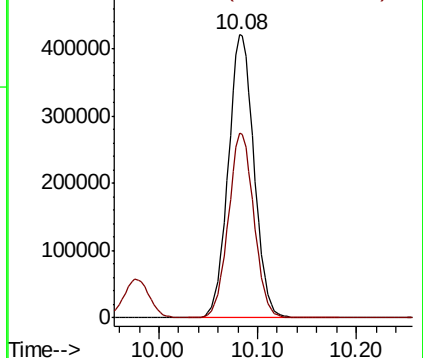


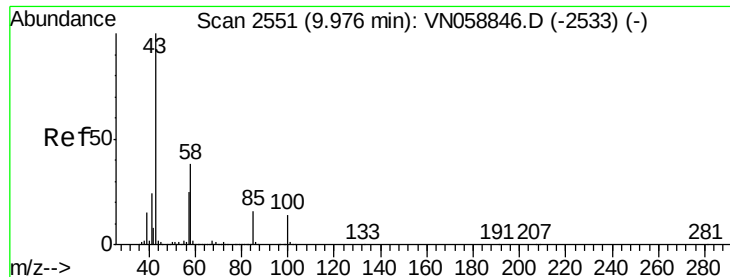
#50  
 Toluene-d8  
 Concen: 47.708 ug/l  
 RT: 10.08 min Scan# 2584  
 Delta R.T. -0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

Tgt Ion: 98 Resp: 767685  
 Ion Ratio Lower Upper  
 98 100  
 100 64.6 51.4 77.2



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: 121.033 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

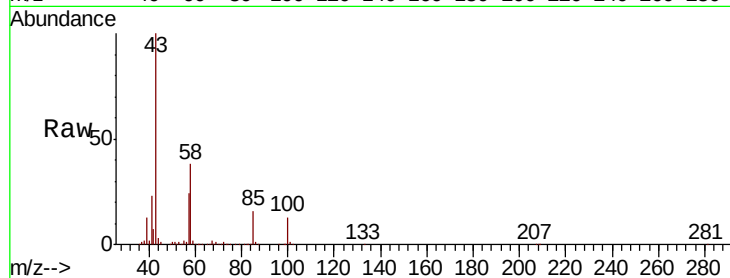
ClientSampled :

Tot Ion: 43 Resp: 797419

Ion Ratio Lower Upper

43 100

58 37.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

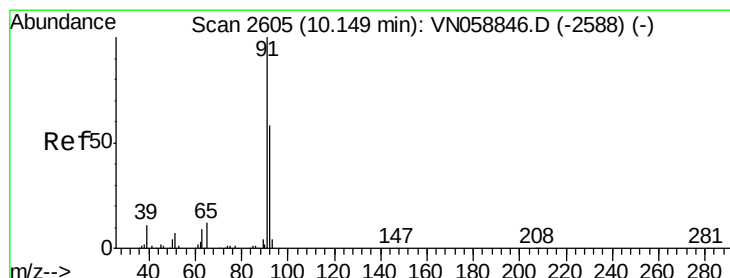
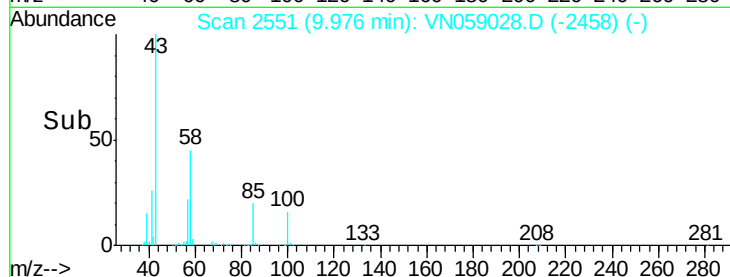
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.335 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059028.D

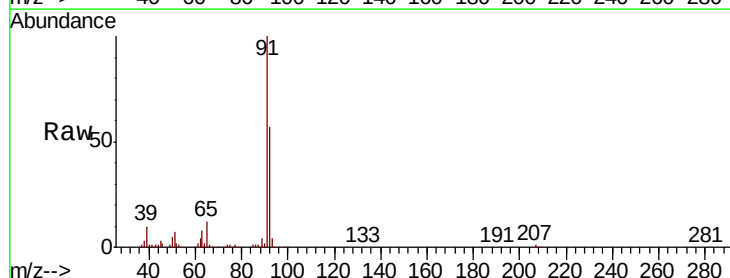
Acq: 31 Oct 2019 10:33

Tgt Ion: 92 Resp: 239807

Ion Ratio Lower Upper

92 100

91 174.7 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

250000

200000

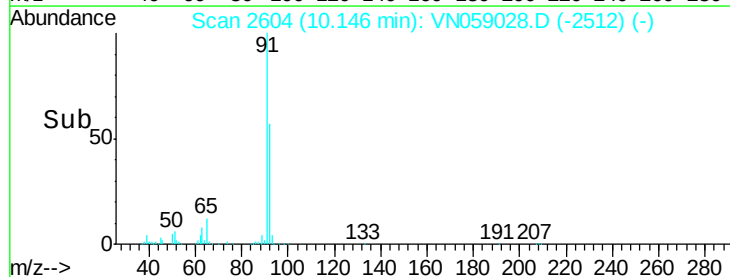
150000

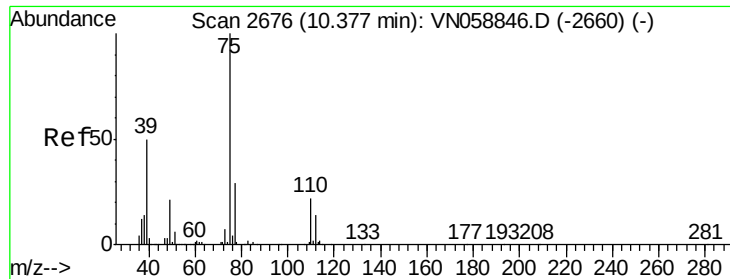
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.058 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

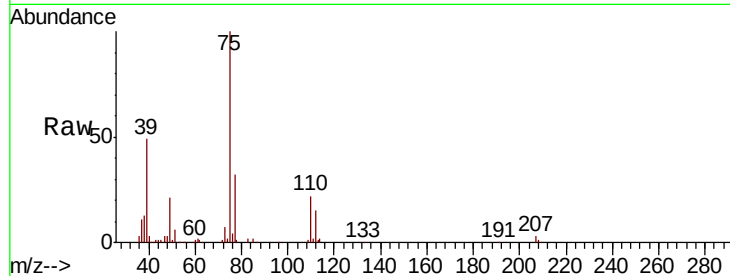
ClientSampleId :

Tot Ion: 75 Resp: 157874

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

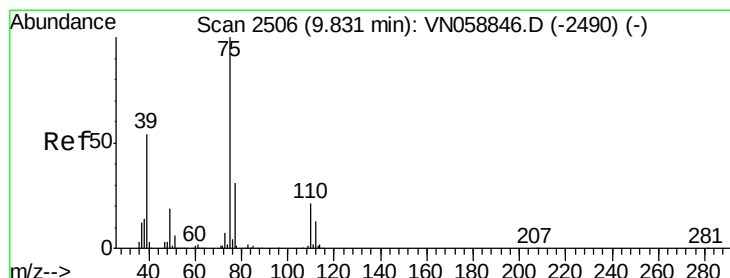
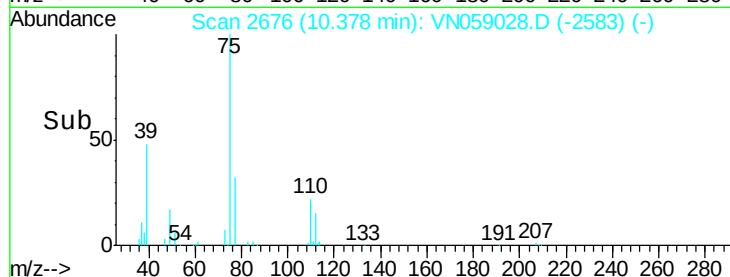
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.318 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

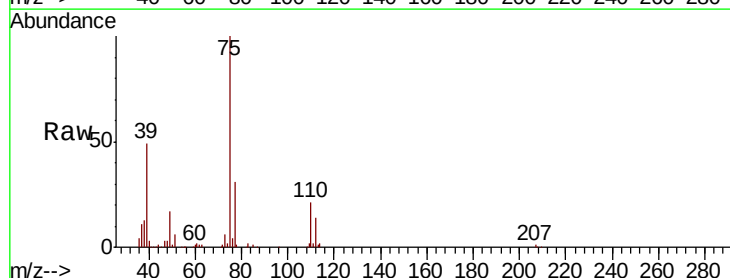
Tgt Ion: 75 Resp: 170751

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

39 49.0 43.5 65.3



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

9.83

120000

100000

80000

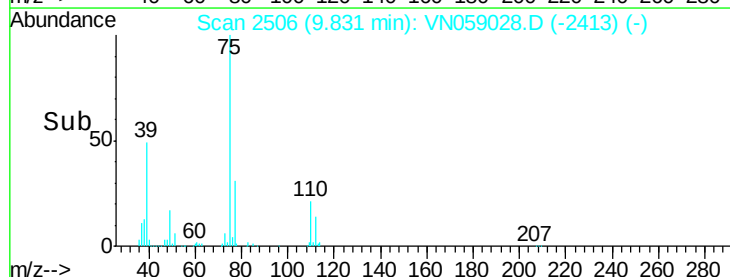
60000

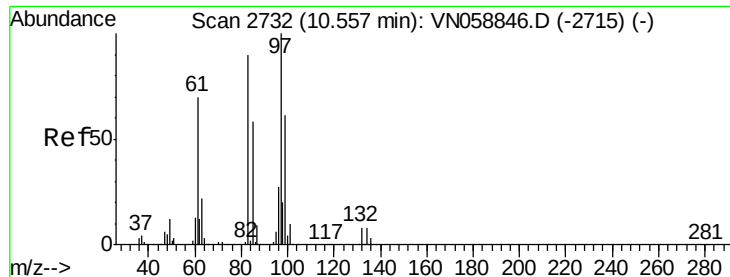
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.874 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion: 97 Resp: 101284

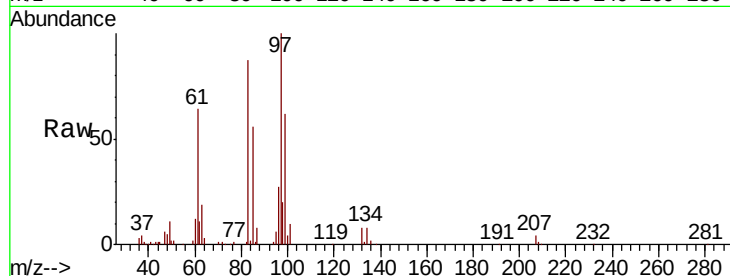
Ion Ratio Lower Upper

97 100

83 86.9 72.2 108.4

85 56.2 46.2 69.2

99 62.5 48.7 73.1

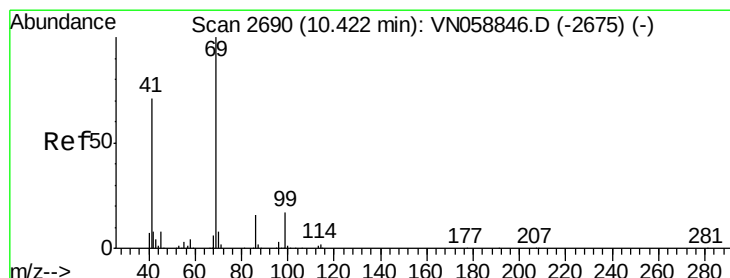
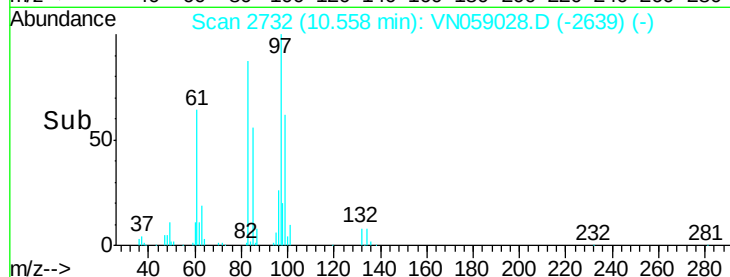
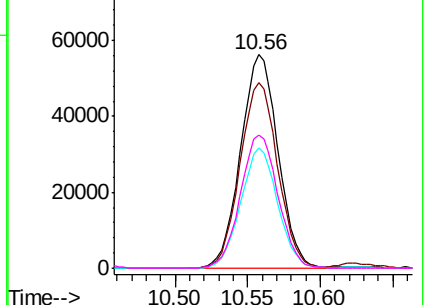


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.714 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

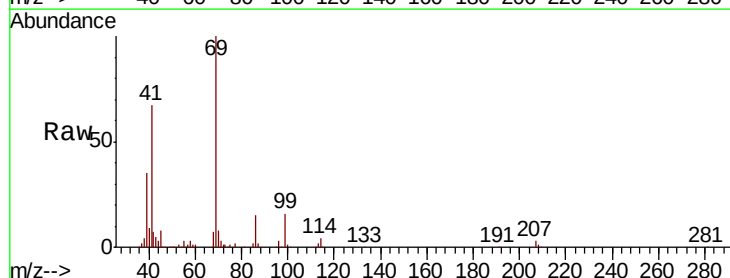
Tgt Ion: 69 Resp: 151143

Ion Ratio Lower Upper

69 100

41 68.7 57.2 85.8

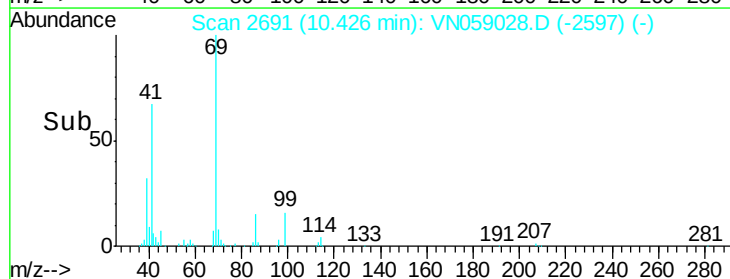
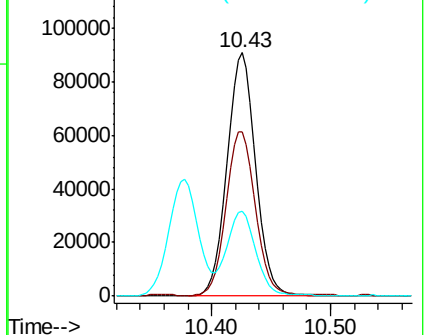
39 35.1 31.0 46.4



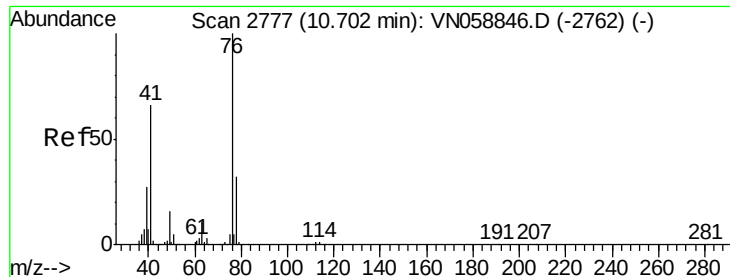
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0







#57

1,3-Dichloropropane

Concen: 21.199 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

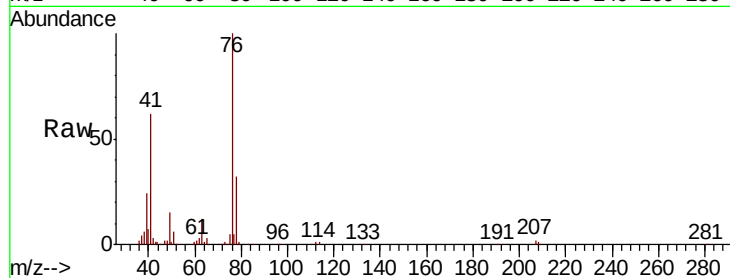
ClientSampled :

Tot Ion: 76 Resp: 172287

Ion Ratio Lower Upper

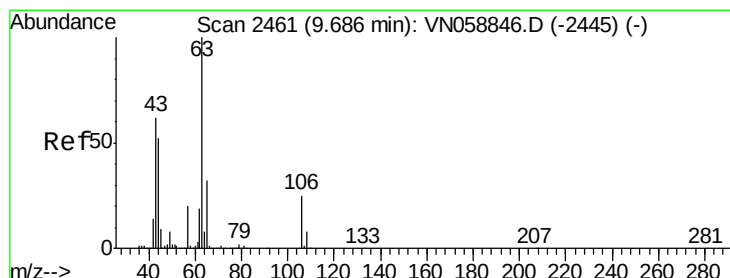
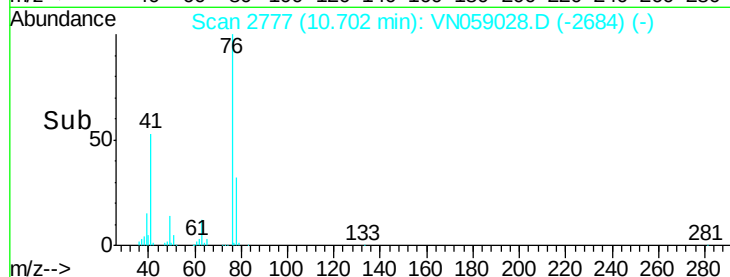
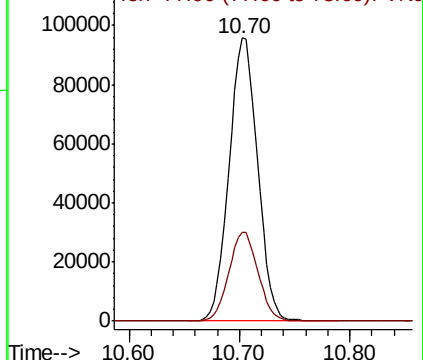
76 100

78 32.0 25.4 38.0



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: 97.930 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059028.D

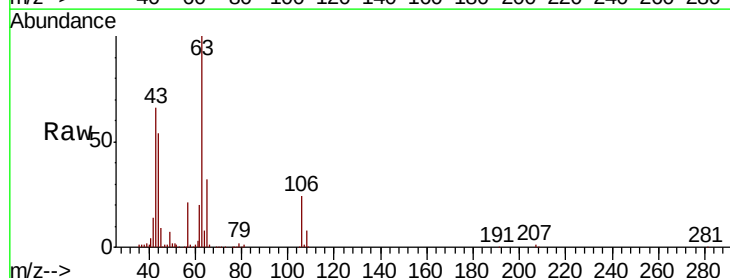
Acq: 31 Oct 2019 10:33

Tgt Ion: 63 Resp: 310072

Ion Ratio Lower Upper

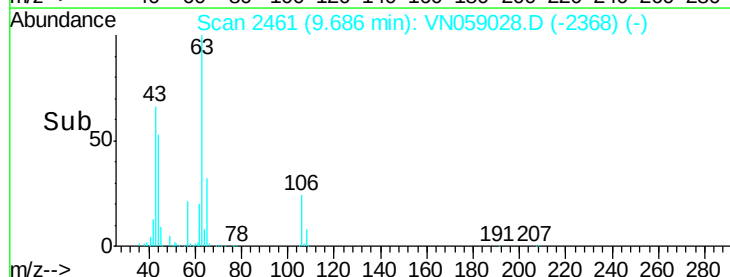
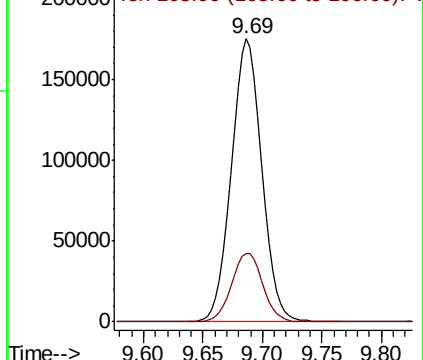
63 100

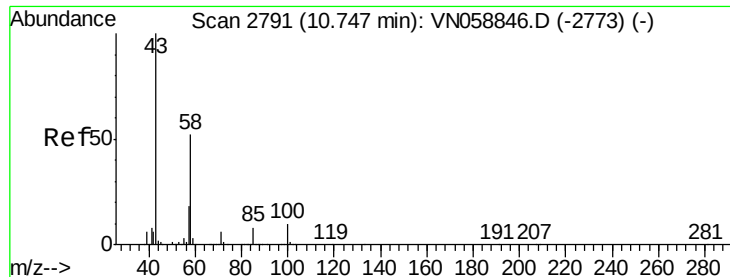
106 24.9 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

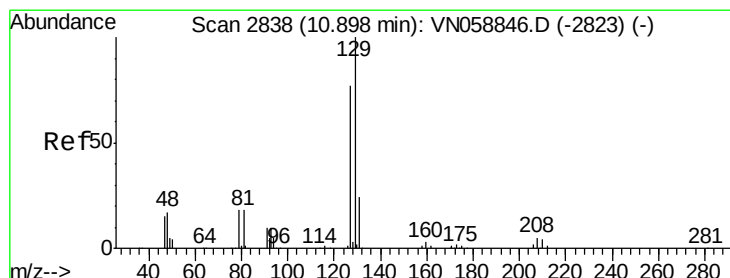
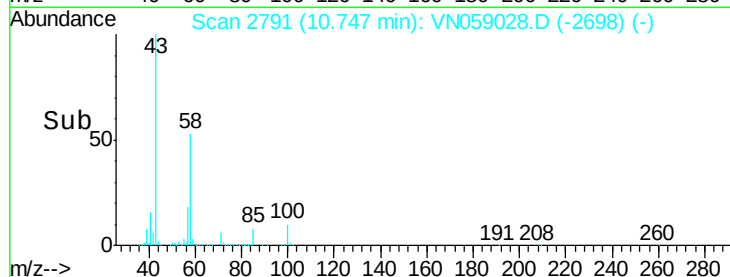
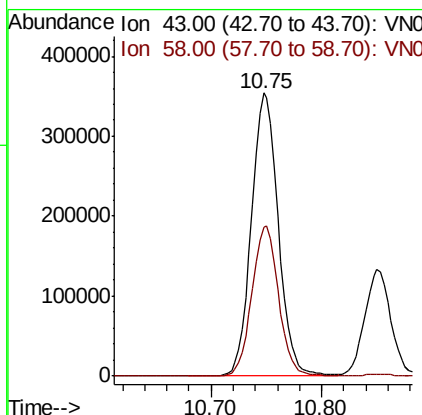
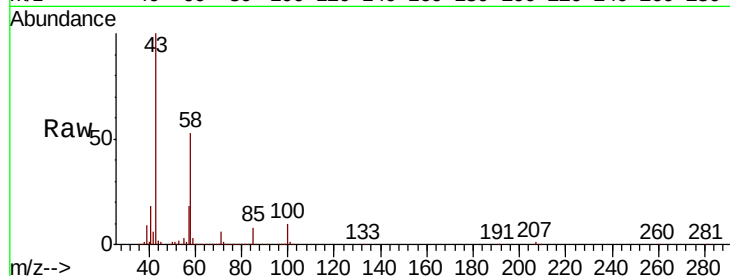




#59  
2-Hexanone  
Concen: 116.880 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

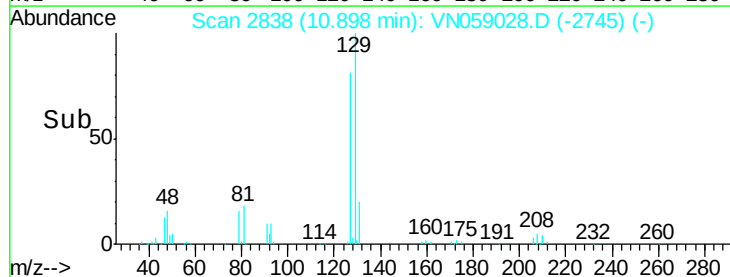
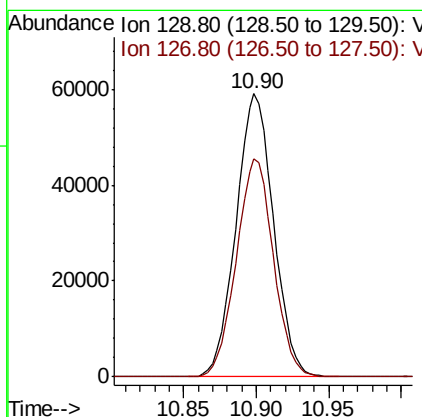
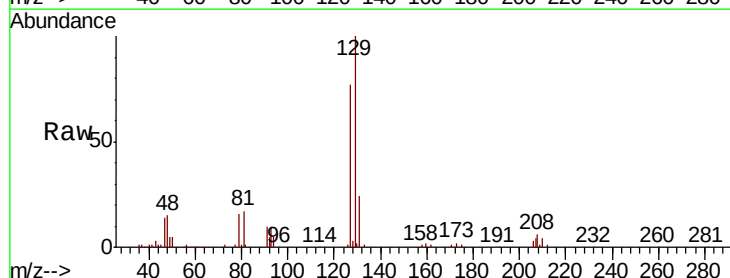
Instrument :  
MSVOA\_N  
ClientSampled :

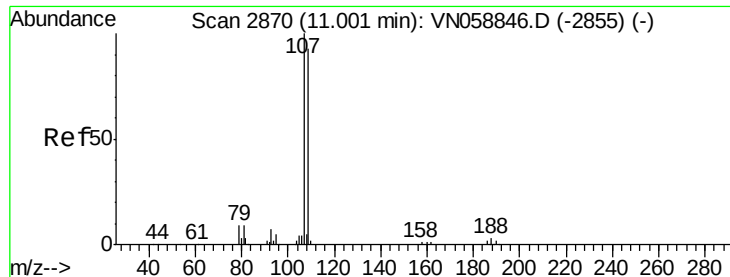
Tot Ion: 43 Resp: 595047  
Ion Ratio Lower Upper  
43 100  
58 53.0 25.9 77.7



#60  
Dibromochloromethane  
Concen: 21.278 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 129 Resp: 106049  
Ion Ratio Lower Upper  
129 100  
127 76.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.370 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

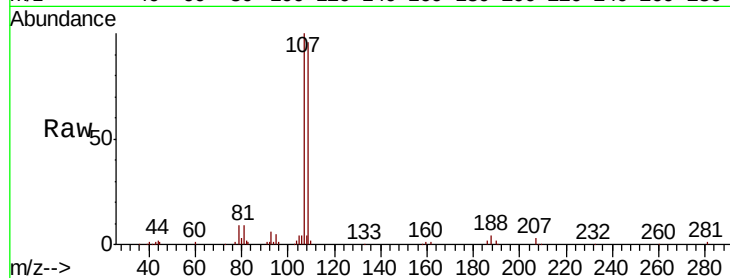
ClientSampleId :

Tot Ion: 107 Resp: 101266

Ion Ratio Lower Upper

107 100

109 93.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

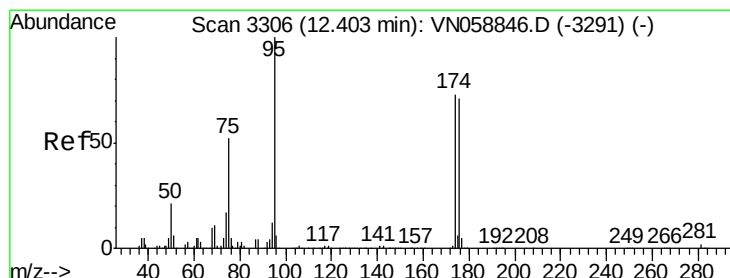
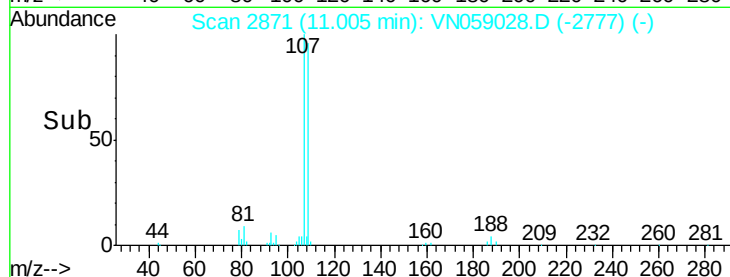
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.212 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

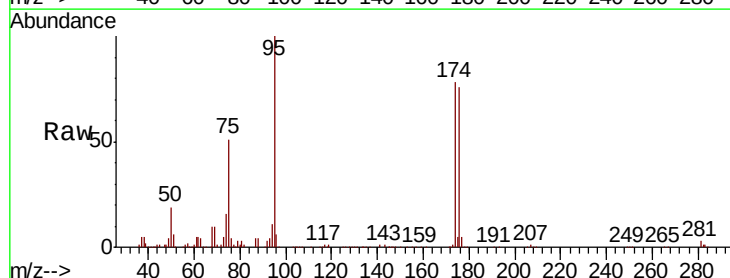
Tgt Ion: 95 Resp: 284887

Ion Ratio Lower Upper

95 100

174 76.8 0.0 147.6

176 74.7 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

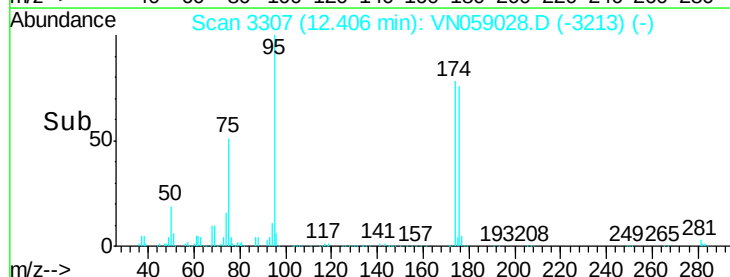
150000

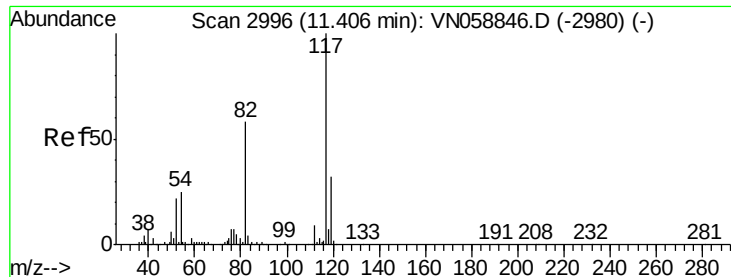
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampleId :

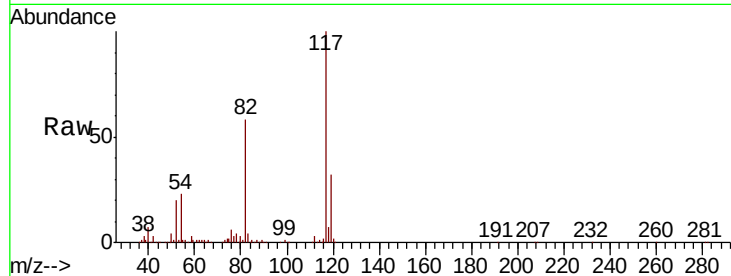
Tot Ion:117 Resp: 576557

Ion Ratio Lower Upper

117 100

82 57.6 46.6 69.8

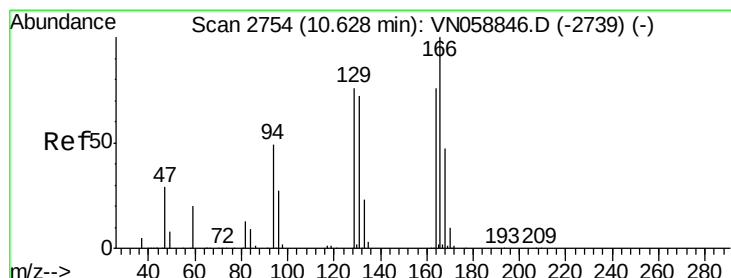
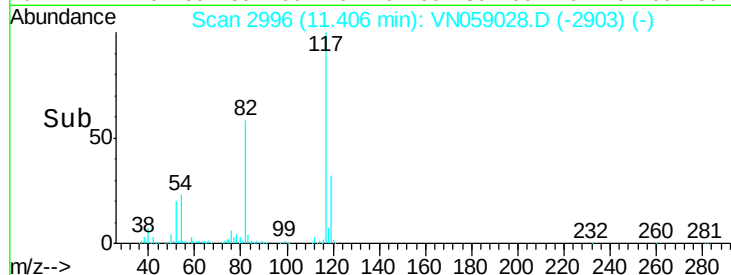
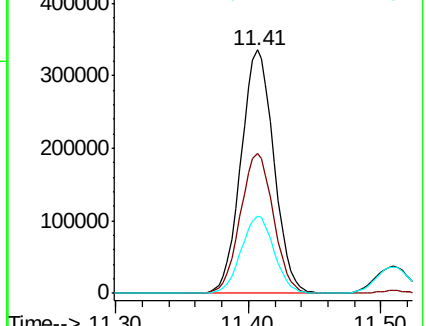
119 31.6 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.884 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Tgt Ion:164 Resp: 84324

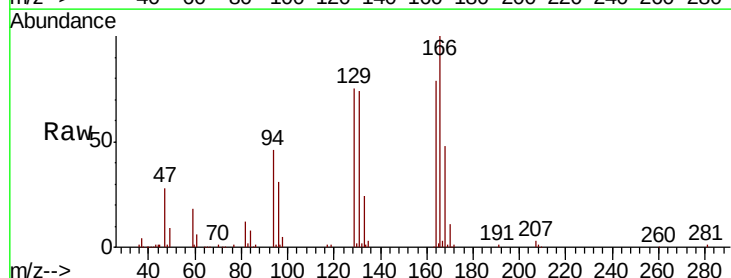
Ion Ratio Lower Upper

164 100

166 126.1 104.8 157.2

129 94.8 79.3 118.9

131 93.5 75.8 113.6

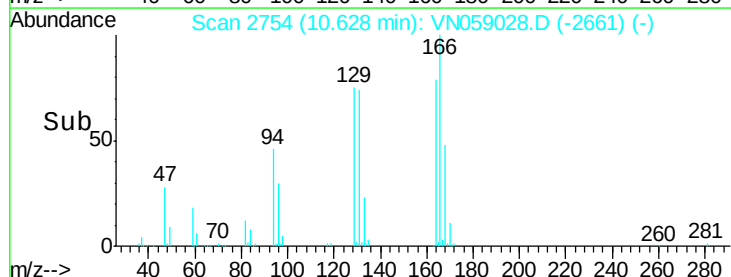
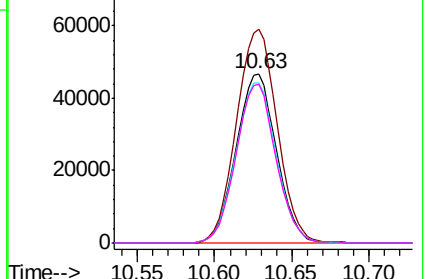


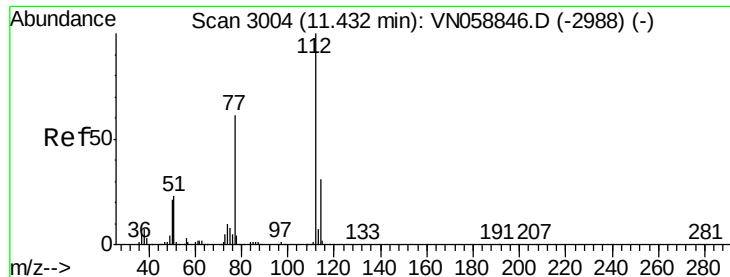
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

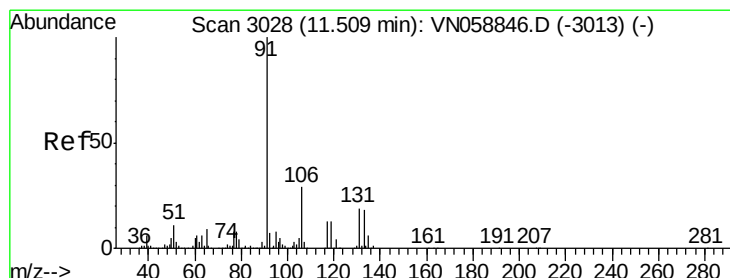
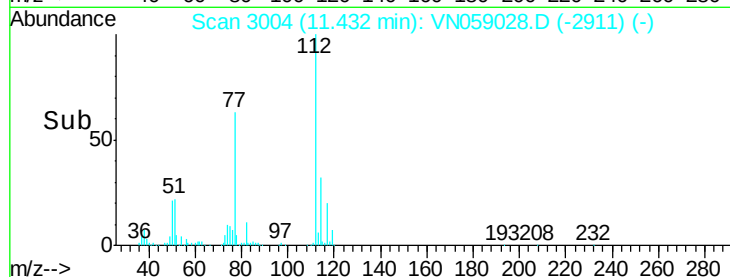
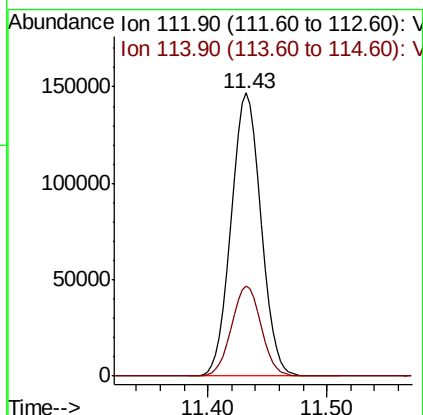
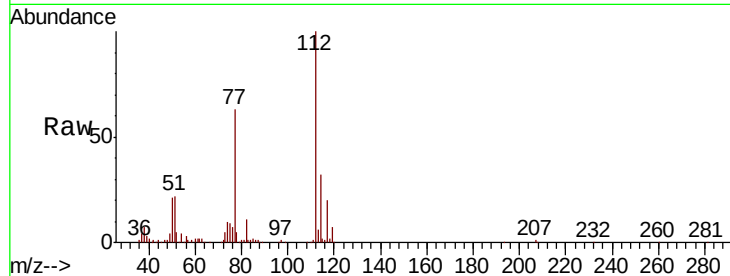




#65  
Chlorobenzene  
Concen: 21.776 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

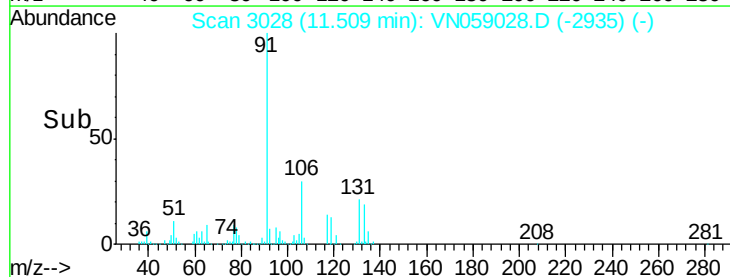
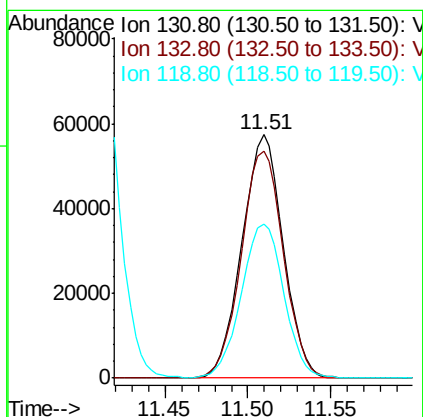
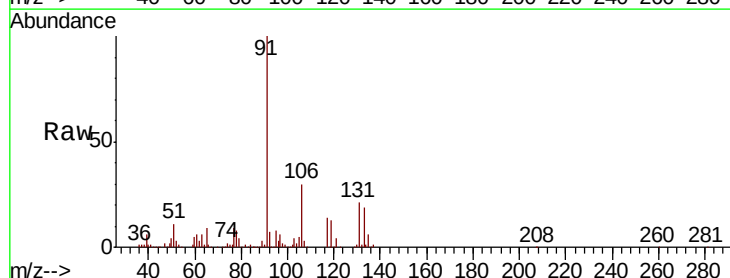
Instrument :  
MSVOA\_N  
ClientSampleId :

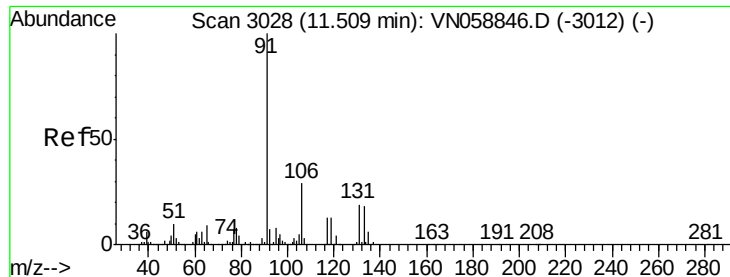
Tot Ion:112 Resp: 255603  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.400 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion:131 Resp: 99218  
Ion Ratio Lower Upper  
131 100  
133 95.8 48.4 145.2  
119 65.4 33.6 100.8

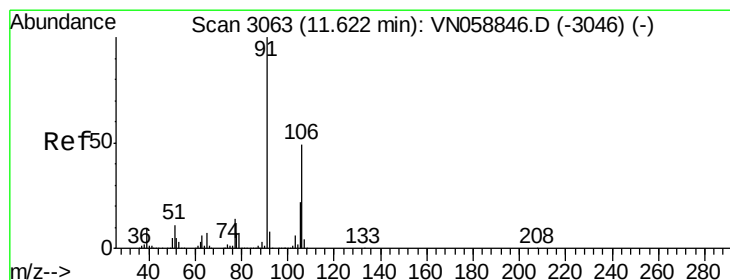
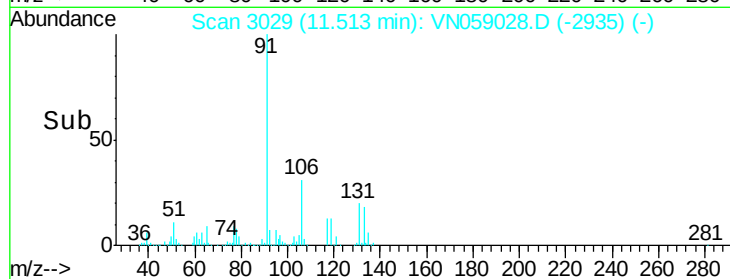
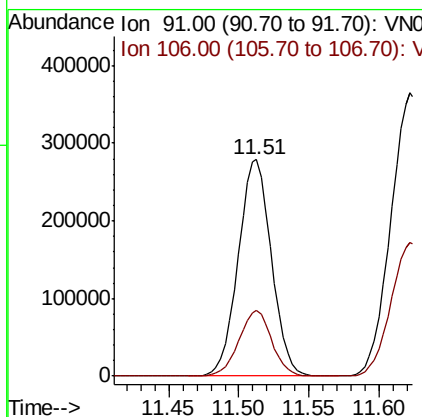
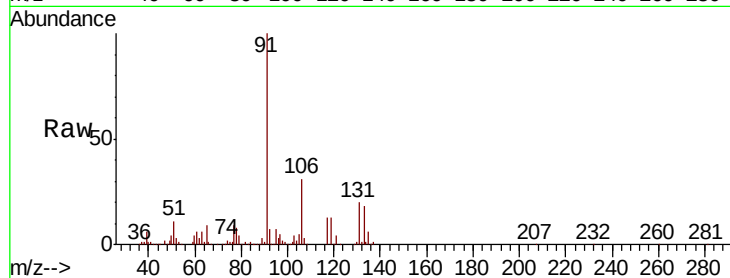




#67  
Ethyl Benzene  
Concen: 22.372 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

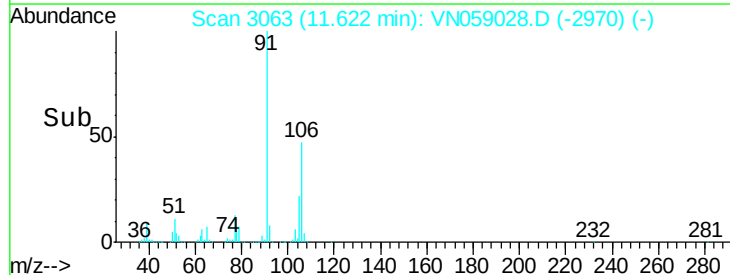
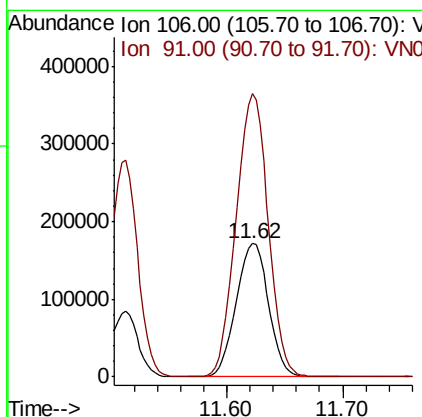
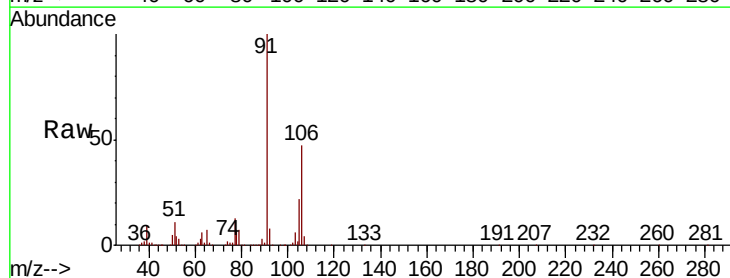
Instrument :  
MSVOA\_N  
ClientSampled :

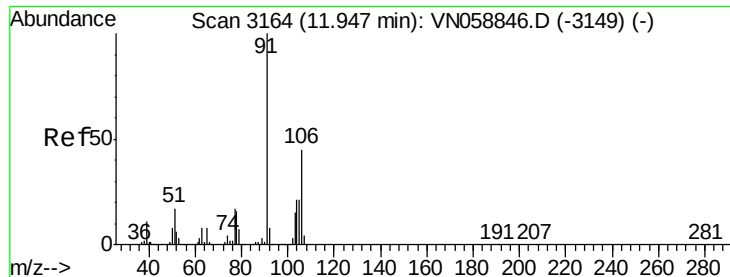
Tot Ion: 91 Resp: 460653  
Ion Ratio Lower Upper  
91 100  
106 30.6 23.4 35.0



#68  
m/p-Xylenes  
Concen: 43.504 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 106 Resp: 332200  
Ion Ratio Lower Upper  
106 100  
91 210.4 166.6 249.8

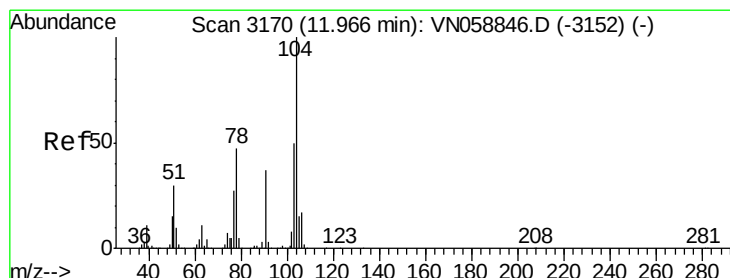
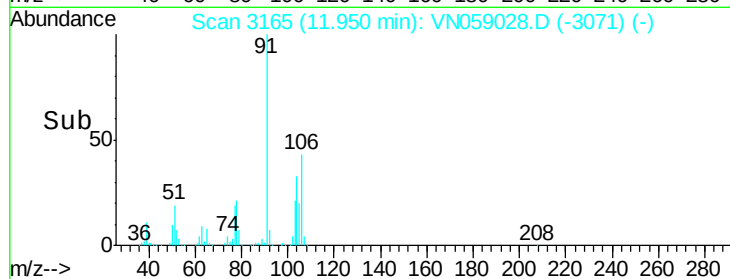
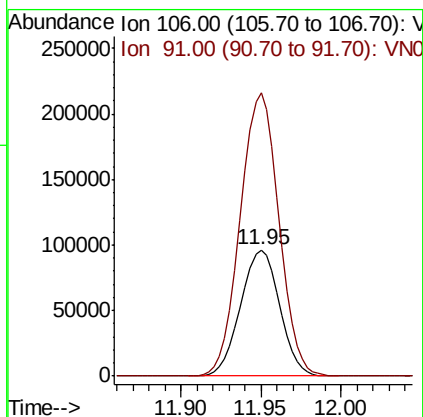
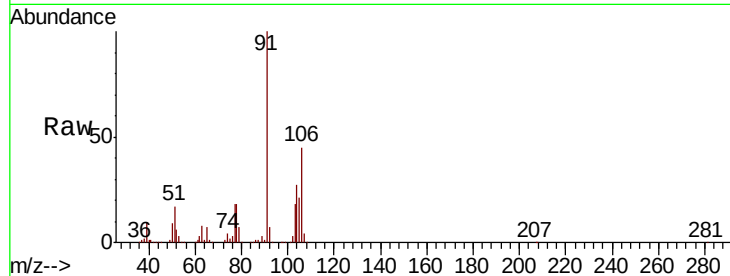




#69  
o-Xylene  
Concen: 22.087 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

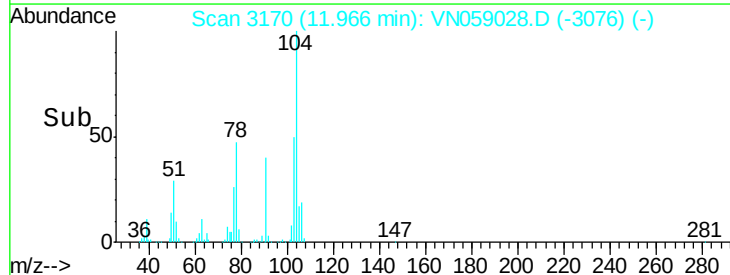
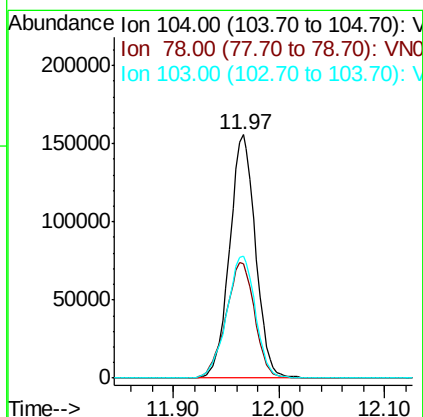
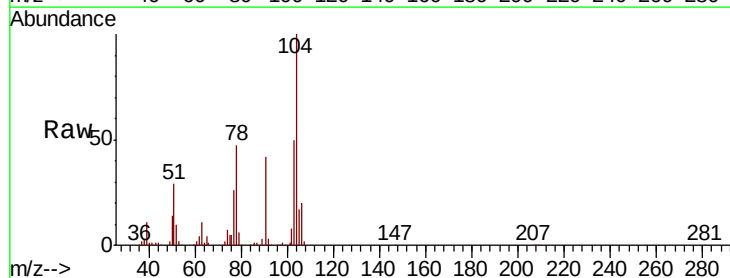
Instrument :  
MSVOA\_N  
ClientSampled :

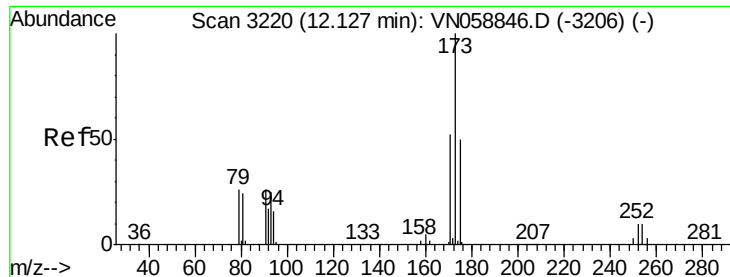
Tot Ion:106 Resp: 160852  
Ion Ratio Lower Upper  
106 100  
91 221.6 111.5 334.4



#70  
Styrene  
Concen: 20.698 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion:104 Resp: 264271  
Ion Ratio Lower Upper  
104 100  
78 52.9 42.8 64.2  
103 55.7 44.3 66.5





#71

Bromoform

Concen: 21.953 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampled :

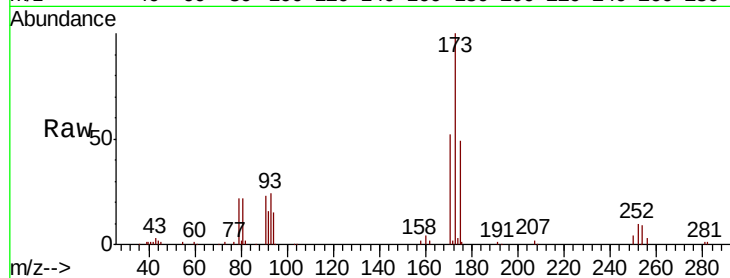
Tot Ion:173 Resp: 75402

Ion Ratio Lower Upper

173 100

175 50.2 24.7 74.1

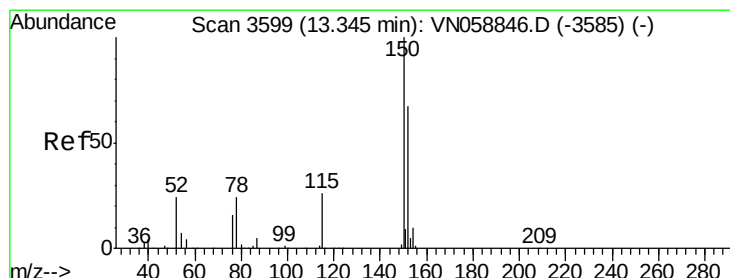
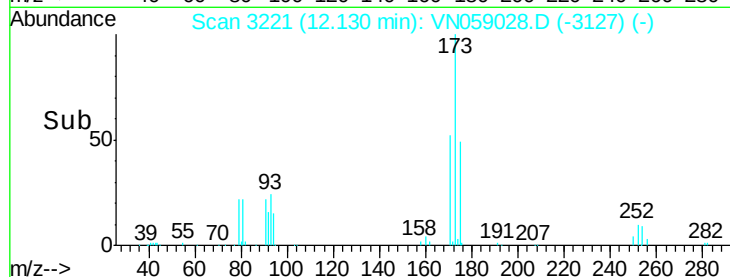
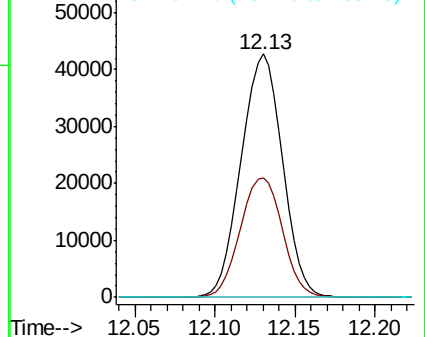
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

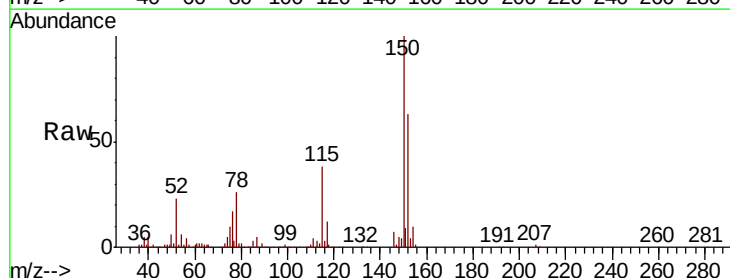
Tgt Ion:152 Resp: 267243

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

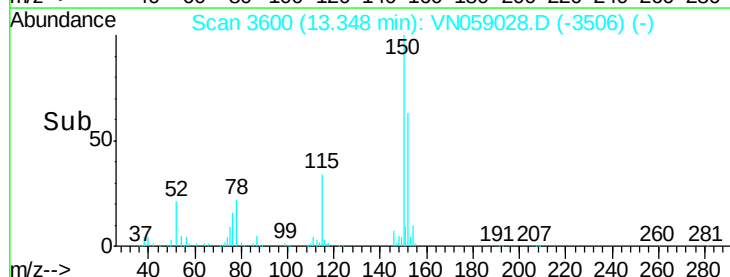
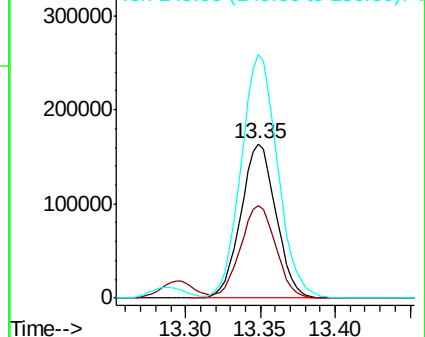
150 164.8 0.0 344.4



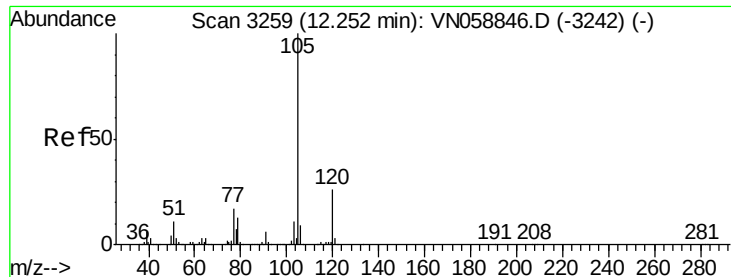
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



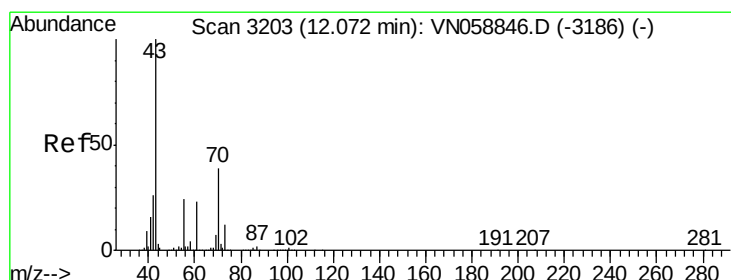
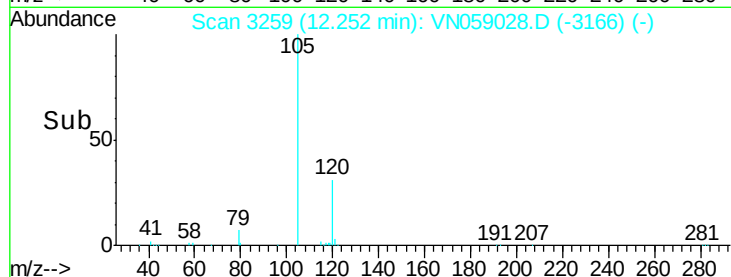
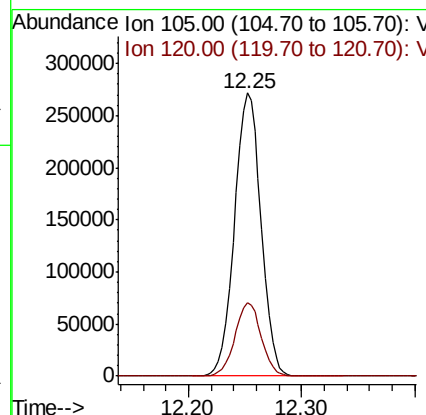
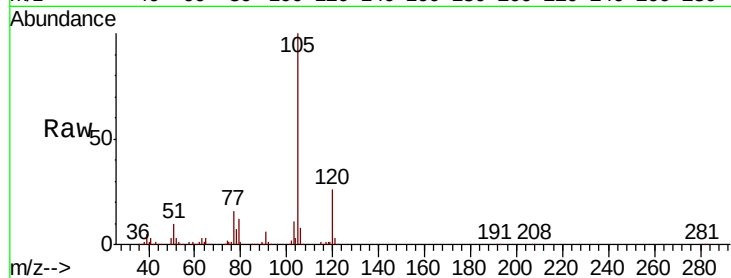




#73  
Isopropylbenzene  
Concen: 22.632 ug/l  
RT: 12.25 min Scan# 3259  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

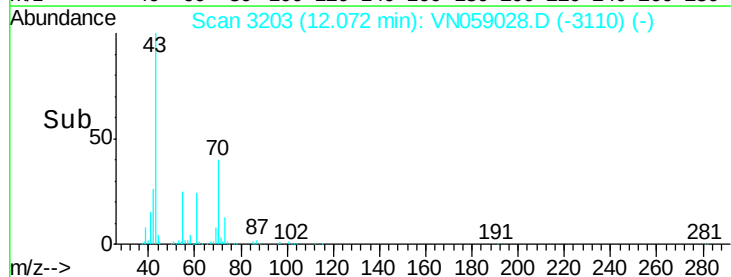
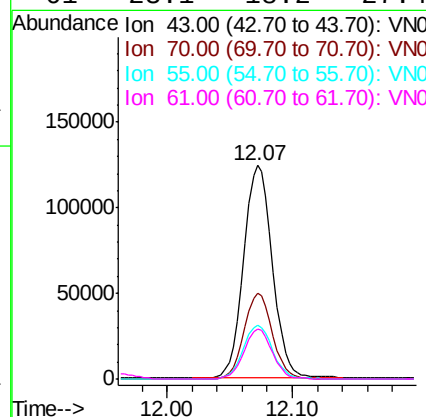
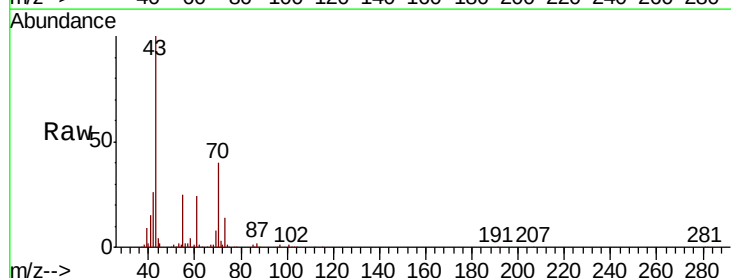
Instrument :  
MSVOA\_N  
ClientSampleId :

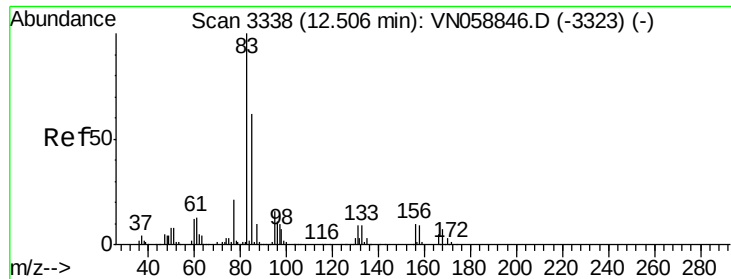
Tot Ion:105 Resp: 442023  
Ion Ratio Lower Upper  
105 100  
120 25.6 12.8 38.4



#74  
N-ethyl acetate  
Concen: 22.361 ug/l  
RT: 12.07 min Scan# 3203  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion: 43 Resp: 197986  
Ion Ratio Lower Upper  
43 100  
70 39.8 30.9 46.3  
55 25.9 19.7 29.5  
61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.919 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampleId :

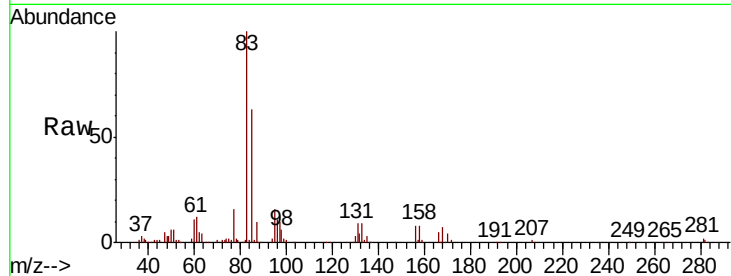
Tot Ion: 83 Resp: 157394

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.1

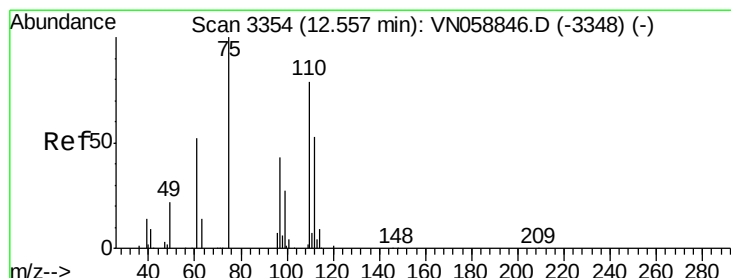
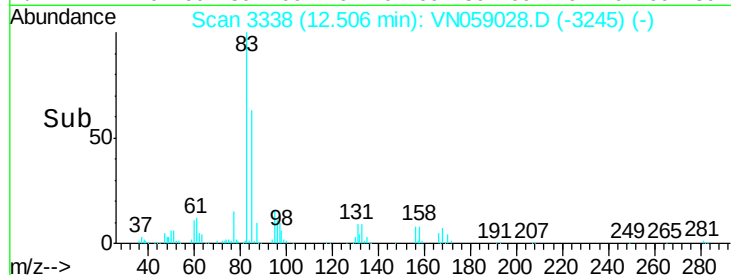
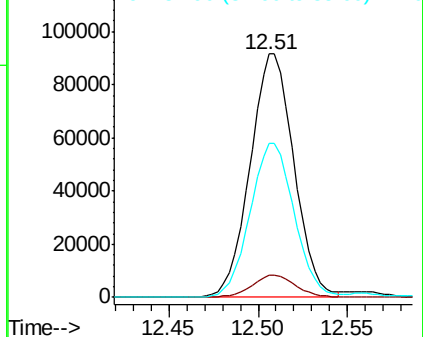
85 63.8 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN059028.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059028.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059028.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 33.470 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059028.D

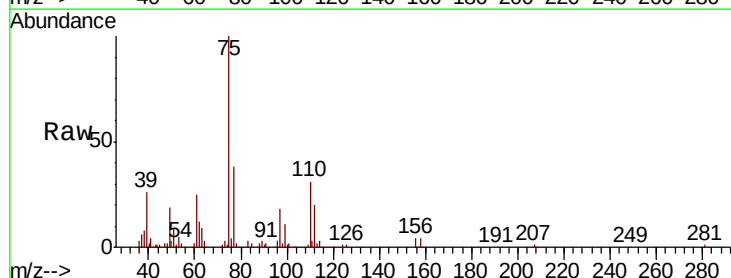
Acq: 31 Oct 2019 10:33

Tgt Ion: 75 Resp: 207304

Ion Ratio Lower Upper

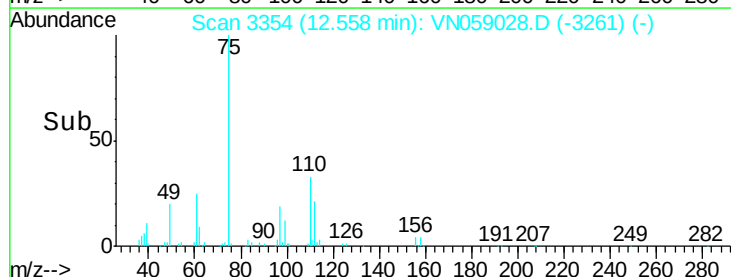
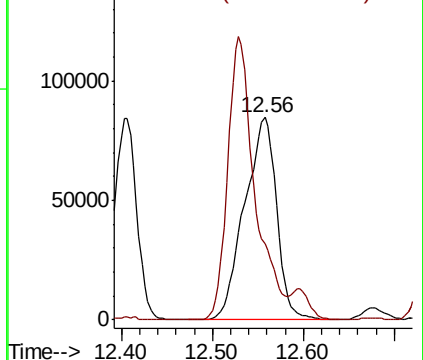
75 100

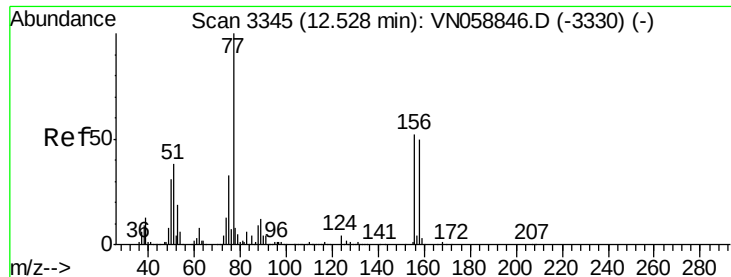
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059028.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN059028.D (-3261) (-)





#77

Bromobenzene

Concen: 22.354 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampled :

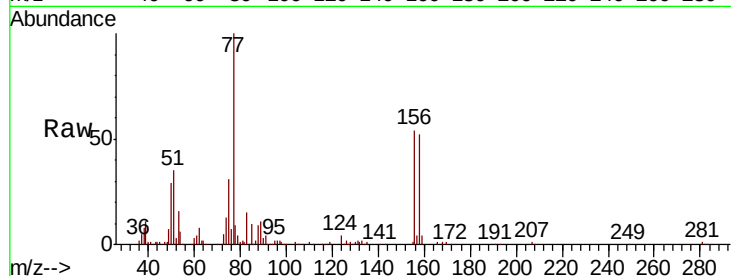
Tot Ion:156 Resp: 107609

Ion Ratio Lower Upper

156 100

77 230.2 118.0 354.0

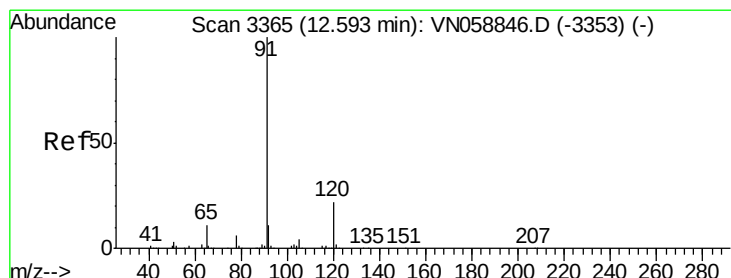
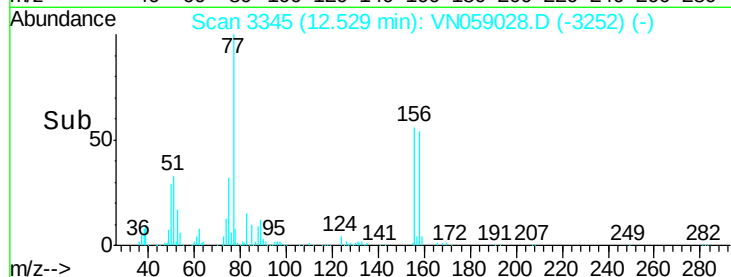
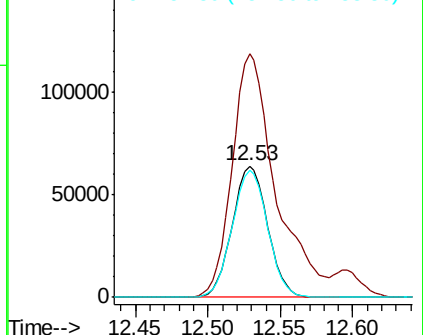
158 97.6 48.3 144.8



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: 22.512 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059028.D

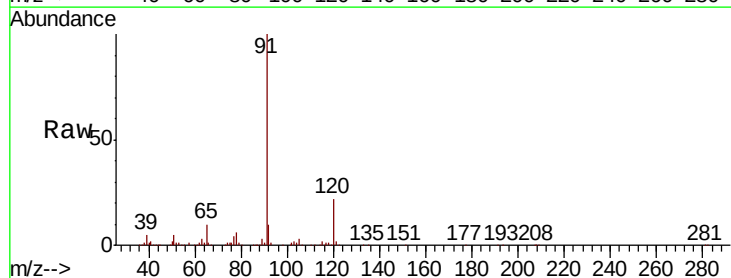
Acq: 31 Oct 2019 10:33

Tgt Ion: 91 Resp: 519710

Ion Ratio Lower Upper

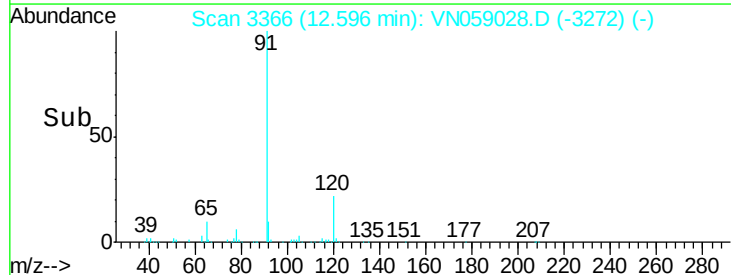
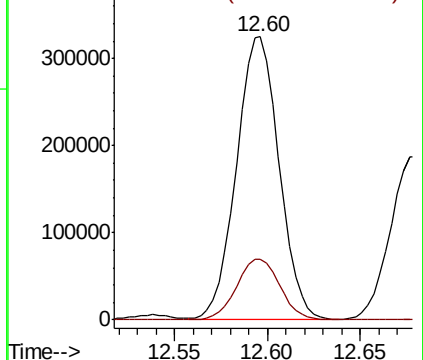
91 100

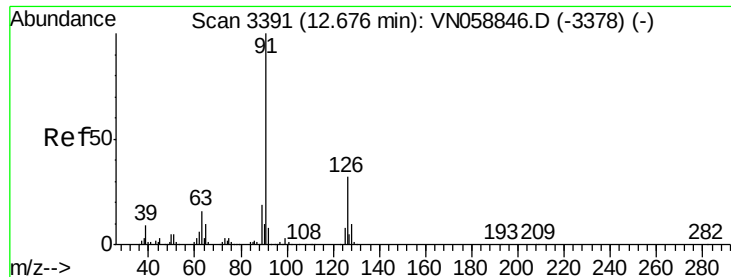
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.079 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

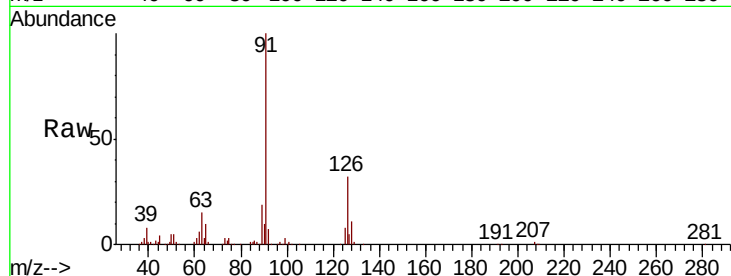
ClientSampleId :

Tot Ion: 91 Resp: 311962

Ion Ratio Lower Upper

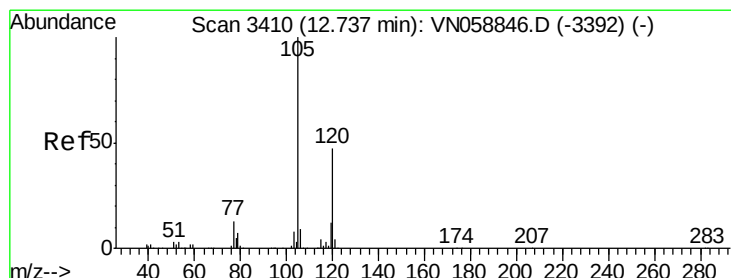
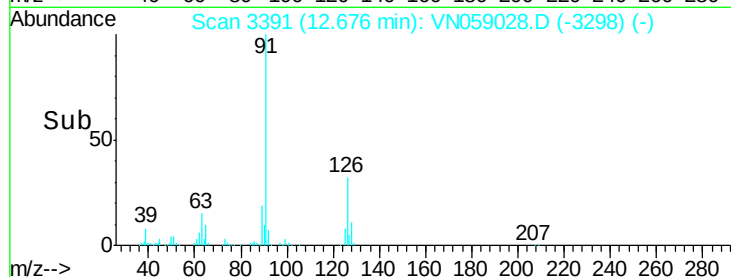
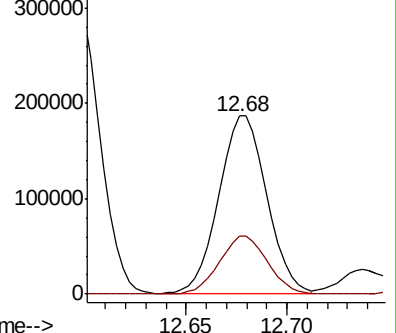
91 100

126 32.6 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.622 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059028.D

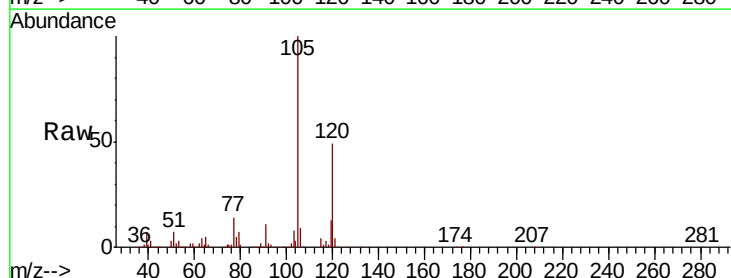
Acq: 31 Oct 2019 10:33

Tgt Ion: 105 Resp: 371204

Ion Ratio Lower Upper

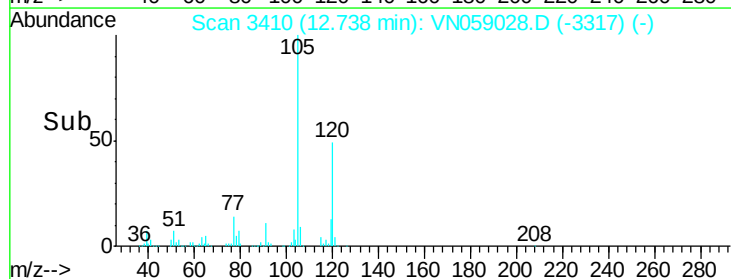
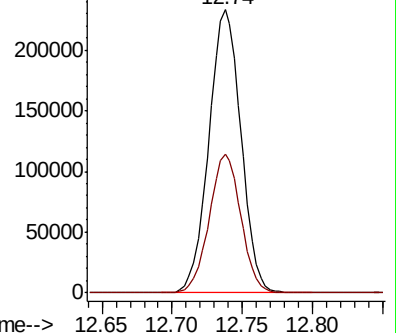
105 100

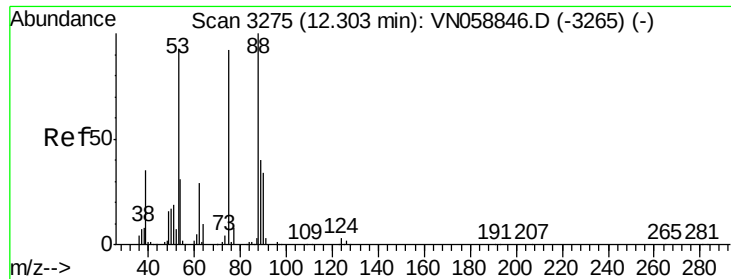
120 48.4 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.814 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampleId :

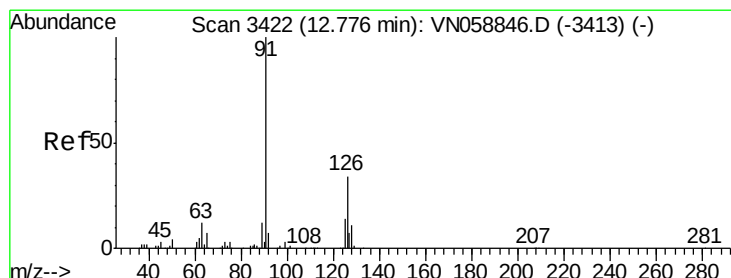
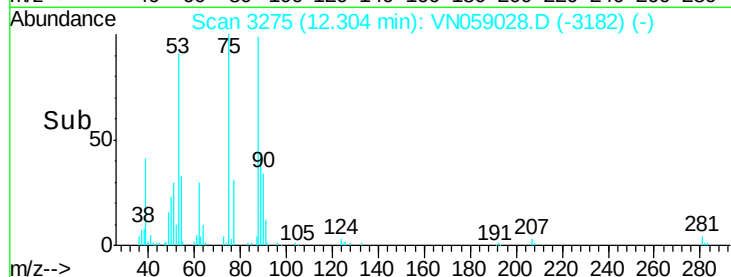
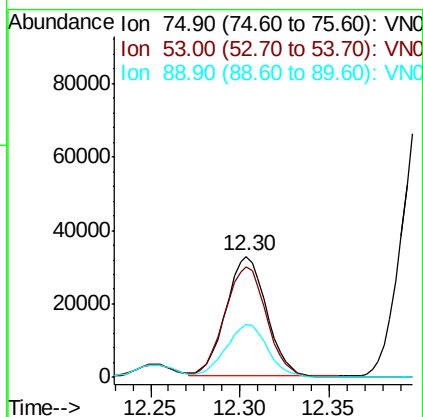
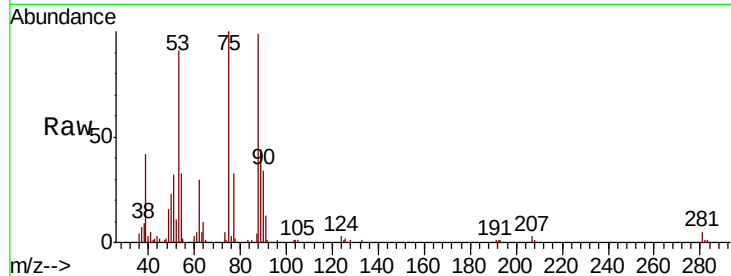
Tot Ion: 75 Resp: 51864

Ion Ratio Lower Upper

75 100

53 94.3 78.6 118.0

89 45.6 35.4 53.0



#82

4-Chlorotoluene

Concen: 21.917 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059028.D

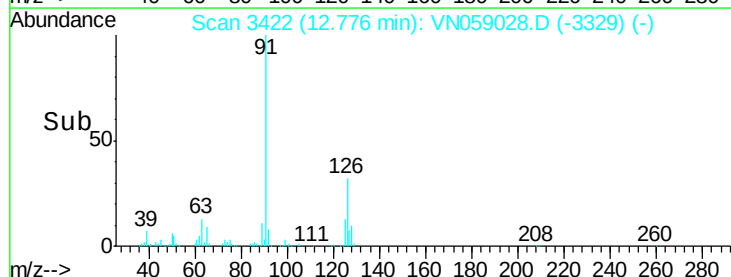
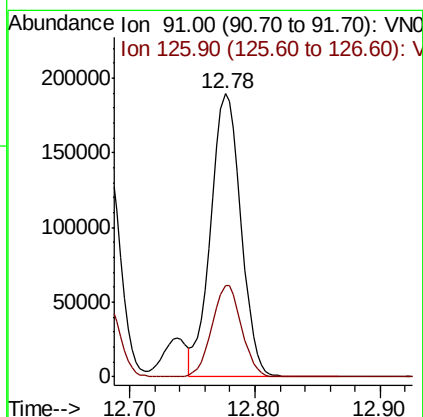
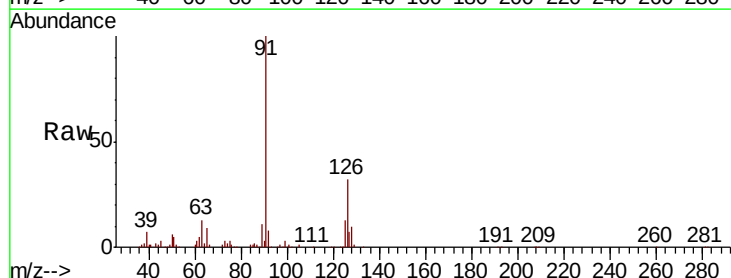
Acq: 31 Oct 2019 10:33

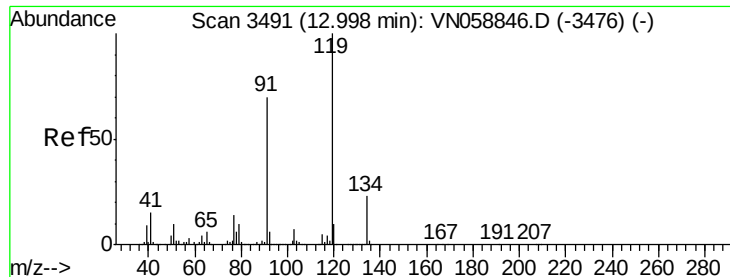
Tgt Ion: 91 Resp: 316460

Ion Ratio Lower Upper

91 100

126 31.7 16.0 47.9

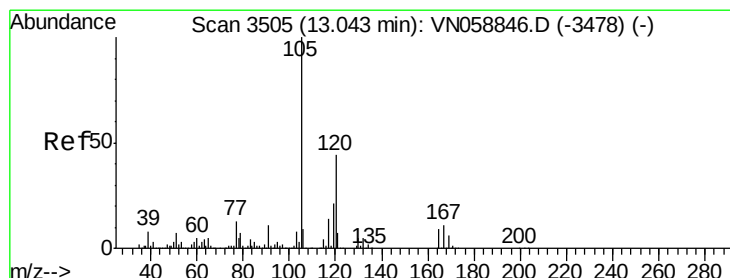
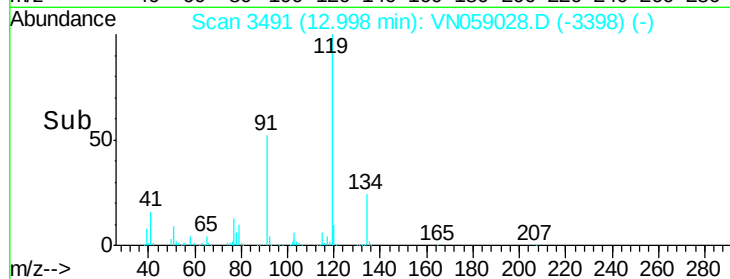
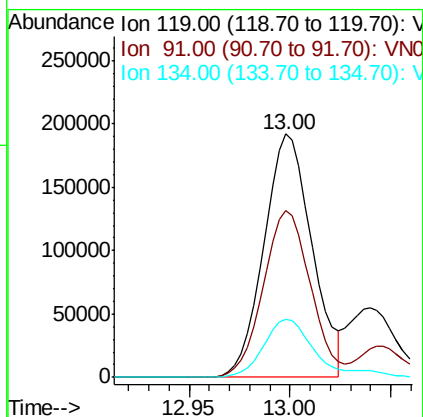
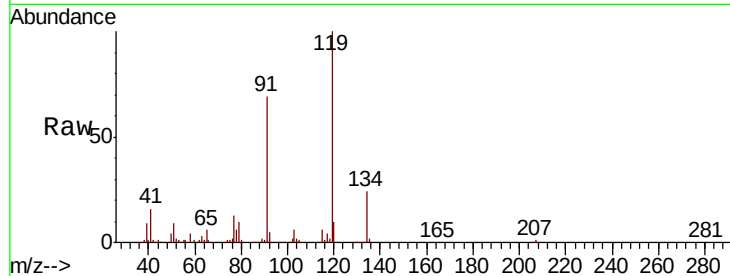




#83  
 tert-Butylbenzene  
 Concen: 22.617 ug/l  
 RT: 13.00 min Scan# 3491  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

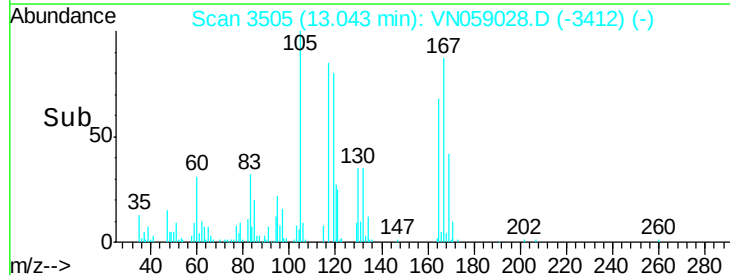
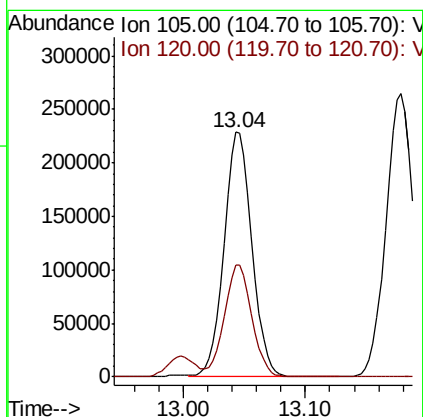
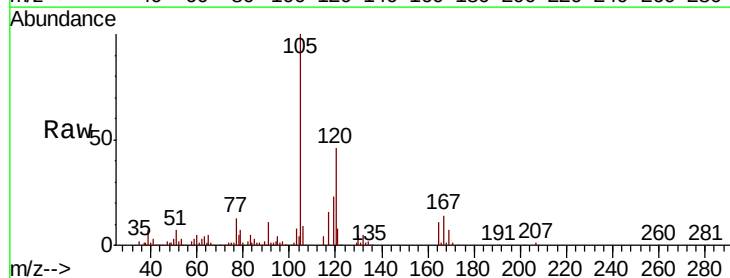
Instrument :  
 MSVOA\_N  
 ClientSampleId :

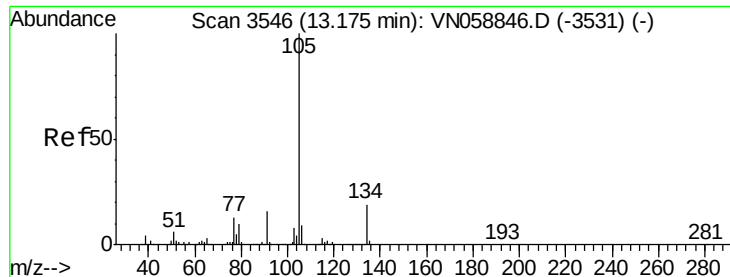
Tot Ion:119 Resp: 317364  
 Ion Ratio Lower Upper  
 119 100  
 91 67.5 34.1 102.3  
 134 26.2 11.6 34.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.652 ug/l  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

Tgt Ion:105 Resp: 366617  
 Ion Ratio Lower Upper  
 105 100  
 120 45.0 21.9 65.8





#85

sec-Butylbenzene

Concen: 22.509 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

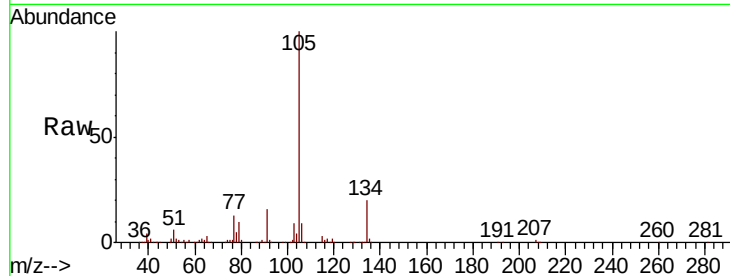
ClientSampled :

Tot Ion:105 Resp: 421094

Ion Ratio Lower Upper

105 100

134 19.4 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

250000

200000

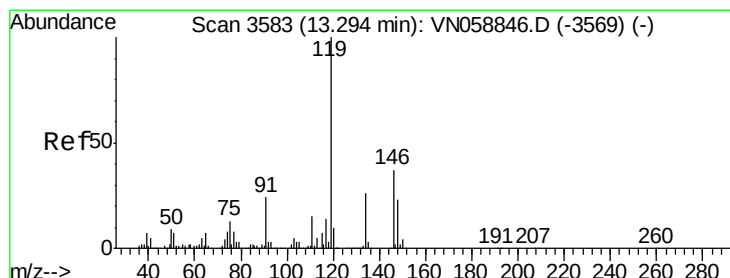
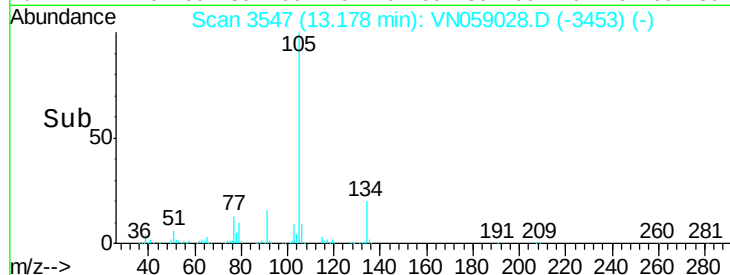
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 22.578 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

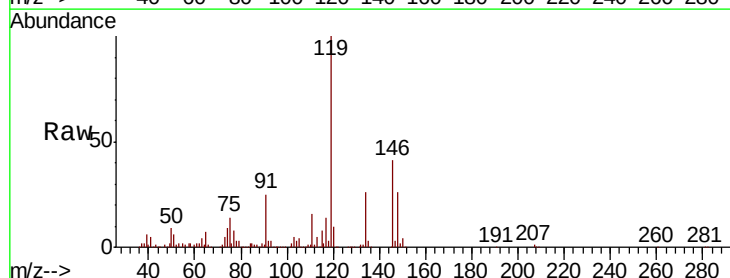
Tgt Ion:119 Resp: 372697

Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.4

91 24.3 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

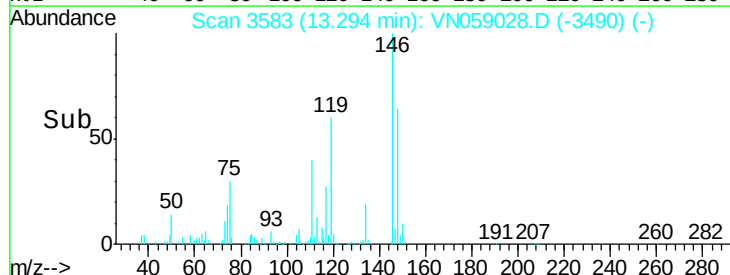
150000

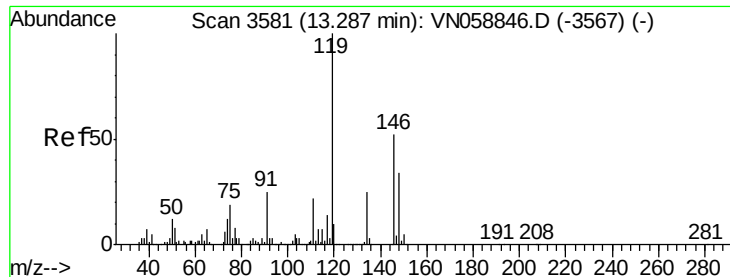
100000

50000

0

Time--> 13.25 13.30 13.35

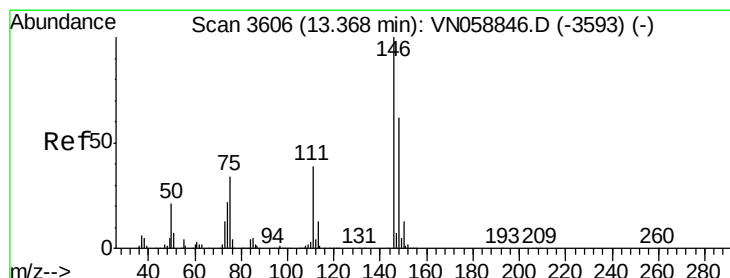
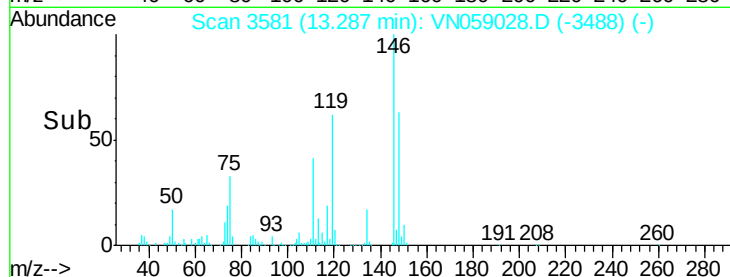
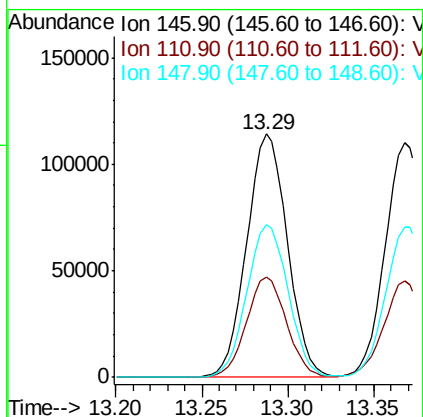
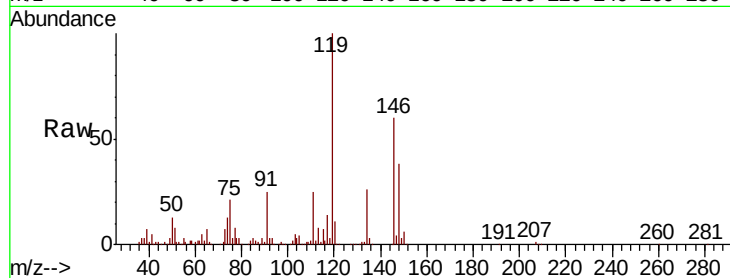




#87  
 1,3-Dichlorobenzene  
 Concen: 21.826 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

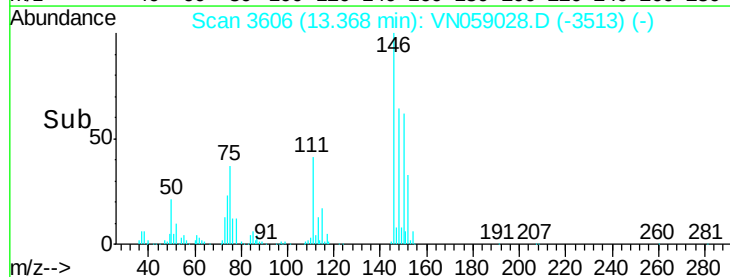
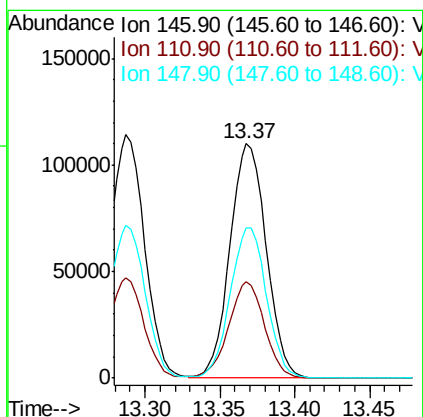
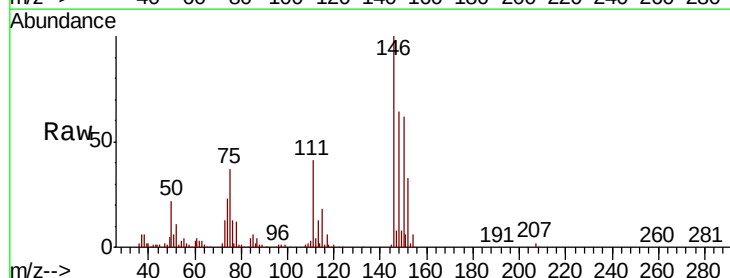
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:146 Resp: 187870  
 Ion Ratio Lower Upper  
 146 100  
 111 40.6 21.0 63.0  
 148 63.7 32.1 96.3

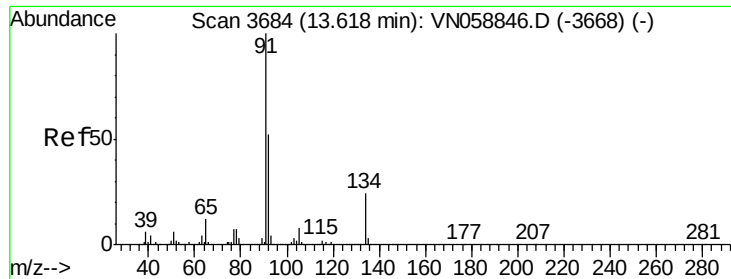


#88  
 1,4-Dichlorobenzene  
 Concen: 21.602 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN059028.D  
 Acq: 31 Oct 2019 10:33

Tgt Ion:146 Resp: 186164  
 Ion Ratio Lower Upper  
 146 100  
 111 40.8 20.2 60.6  
 148 64.1 31.6 94.7







#89

n-Butylbenzene

Concen: 21.503 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

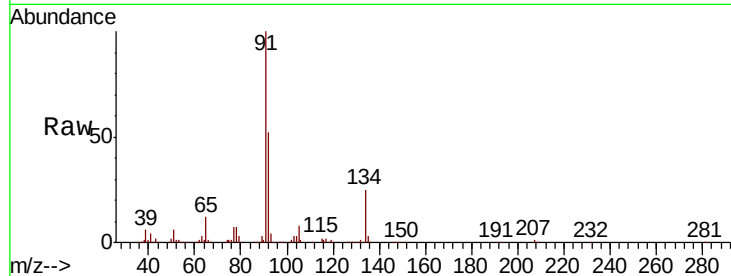
Instrument :

MSVOA\_N

ClientSampled :

Tot Ion: 91 Resp: 326060

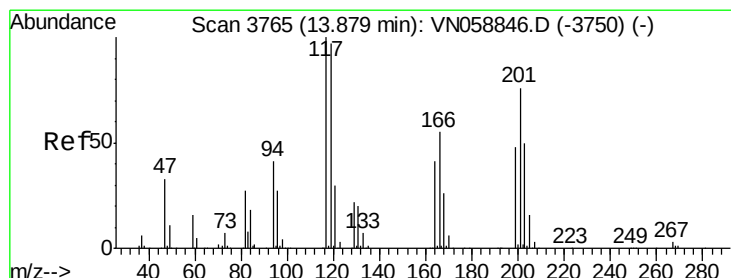
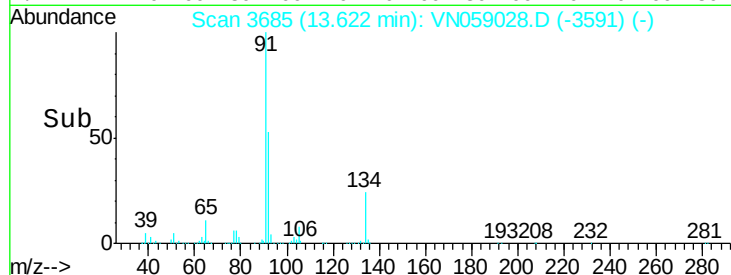
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 50.4  | 25.7  | 77.1  |
| 134 | 24.5  | 11.9  | 35.5  |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.792 ug/l

RT: 13.88 min Scan# 3766

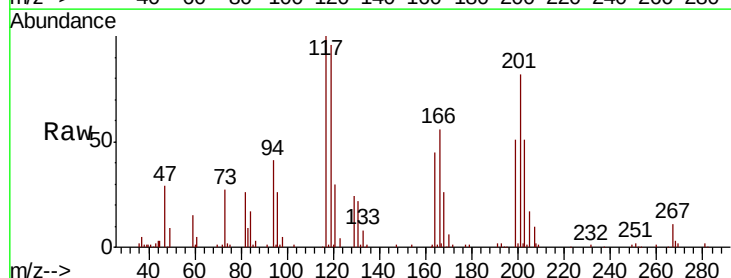
Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

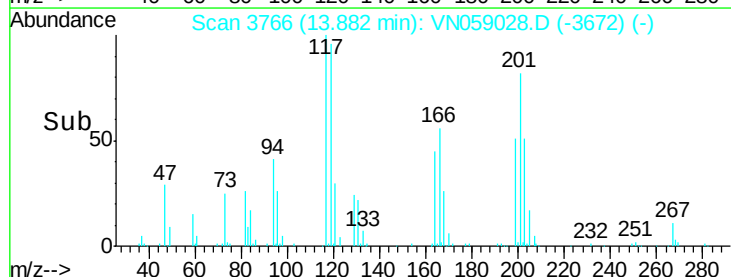
Tgt Ion: 117 Resp: 72894

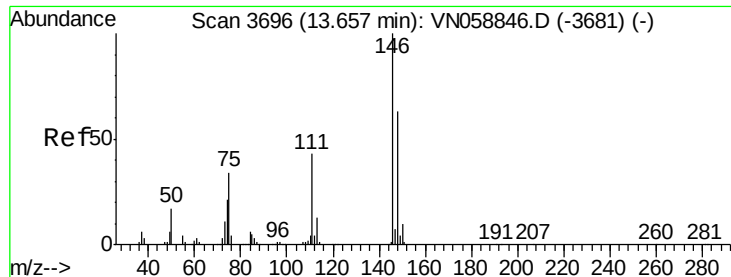
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 81.2  | 38.9  | 116.6 |



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.105 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampled :

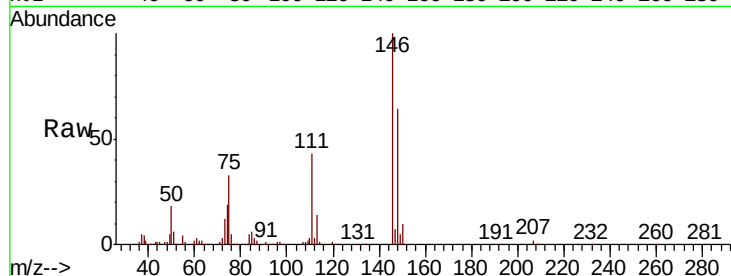
Tot Ion:146 Resp: 187012

Ion Ratio Lower Upper

146 100

111 43.3 21.6 64.8

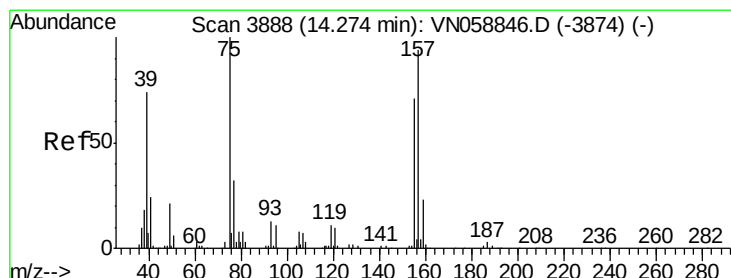
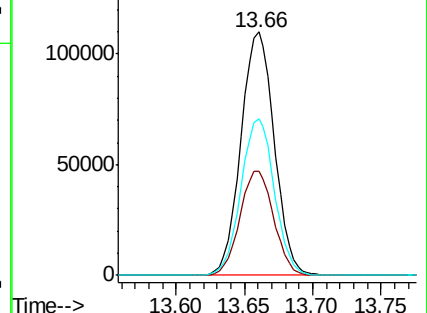
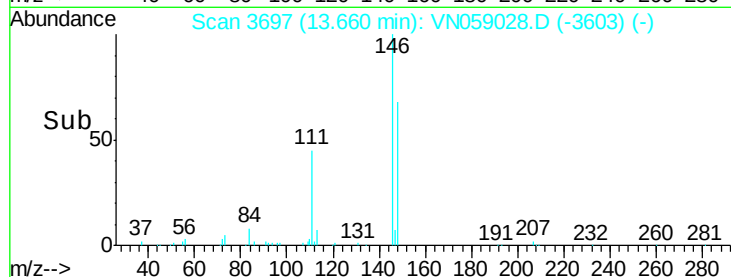
148 64.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.866 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

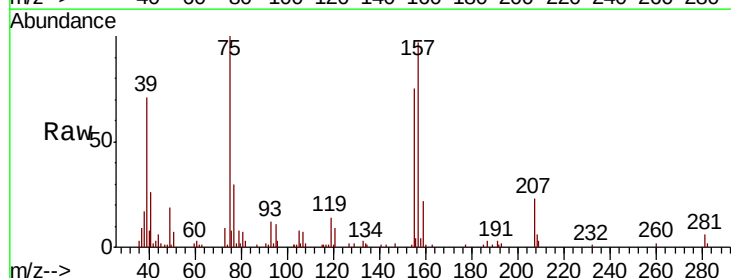
Tgt Ion: 75 Resp: 33964

Ion Ratio Lower Upper

75 100

155 73.2 35.6 106.8

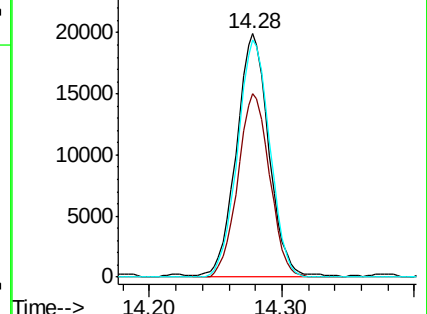
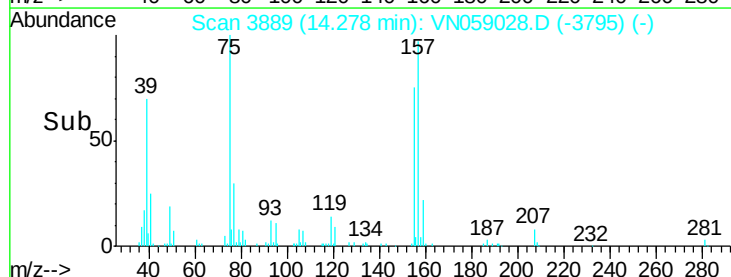
157 96.1 47.4 142.2

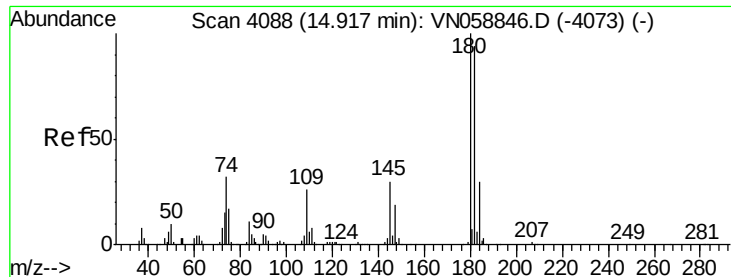


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

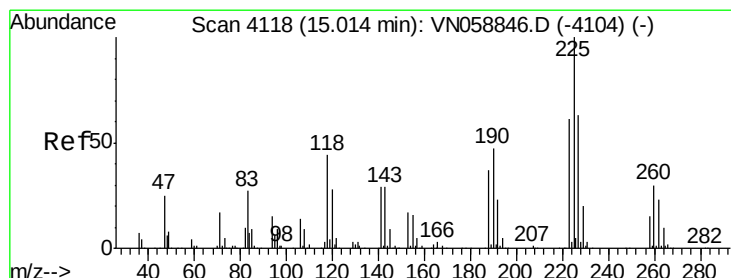
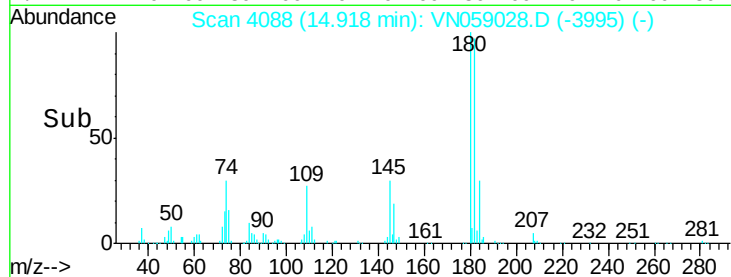
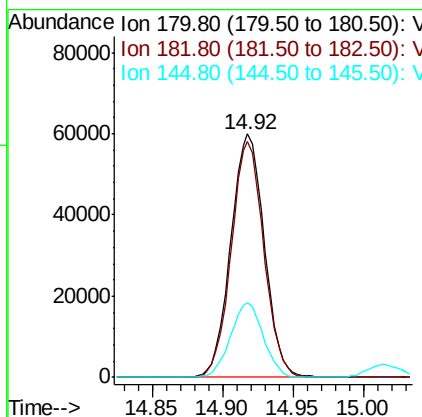
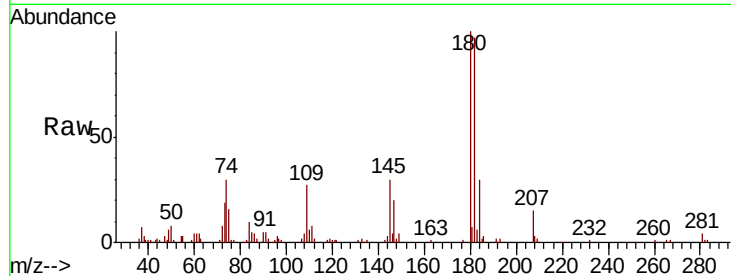




#93  
1,2,4-Trichlorobenzene  
Concen: 20.337 ug/l  
RT: 14.92 min Scan# 4088  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

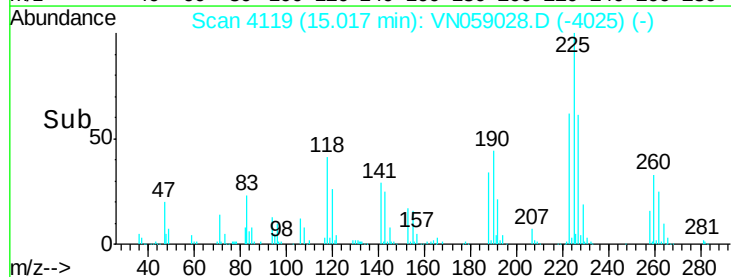
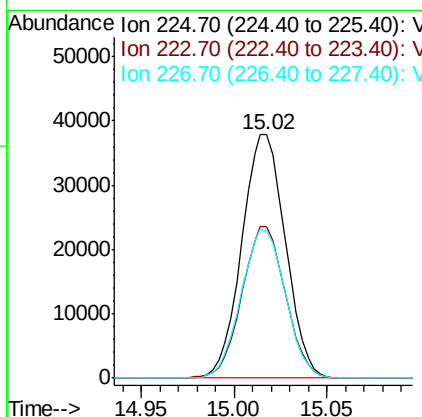
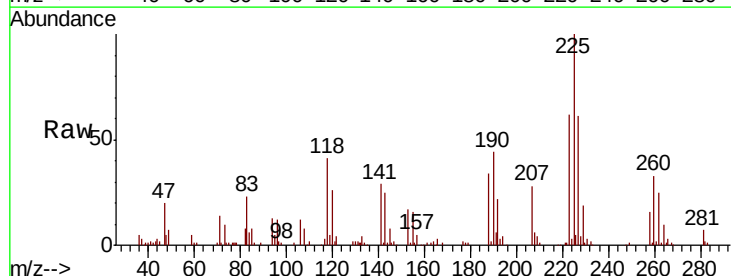
Instrument :  
MSVOA\_N  
ClientSampleId :

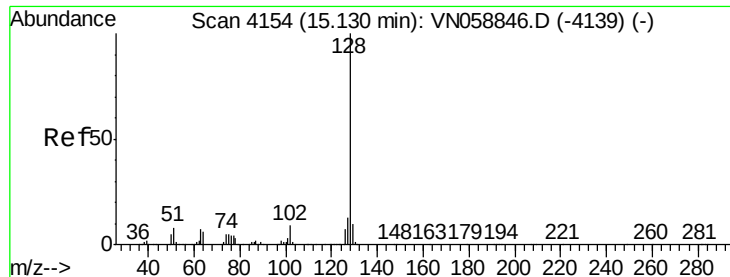
Tot Ion:180 Resp: 99923  
Ion Ratio Lower Upper  
180 100  
182 94.0 47.3 142.0  
145 30.1 15.3 45.8



#94  
Hexachlorobutadiene  
Concen: 22.500 ug/l  
RT: 15.02 min Scan# 4119  
Delta R.T. 0.00 min  
Lab File: VN059028.D  
Acq: 31 Oct 2019 10:33

Tgt Ion:225 Resp: 61698  
Ion Ratio Lower Upper  
225 100  
223 62.2 30.9 92.5  
227 62.0 31.6 94.7





#95

Naphthalene

Concen: 19.755 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

Instrument :

MSVOA\_N

ClientSampleId :

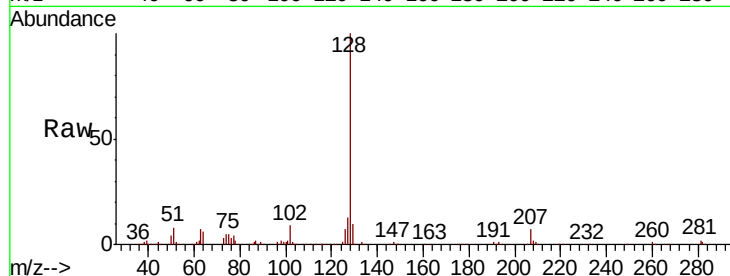
Tot Ion:128 Resp: 280840

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

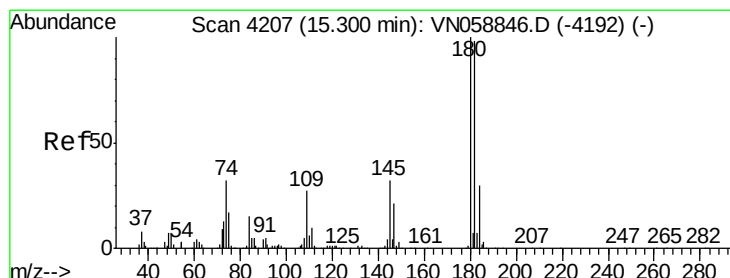
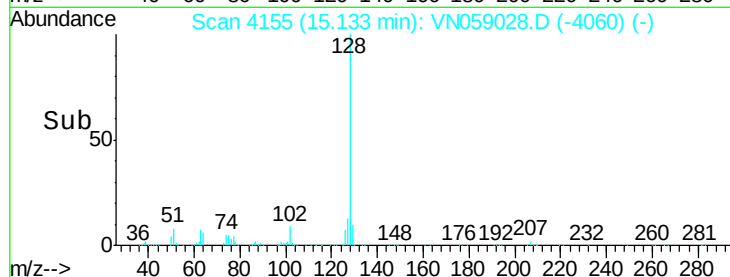
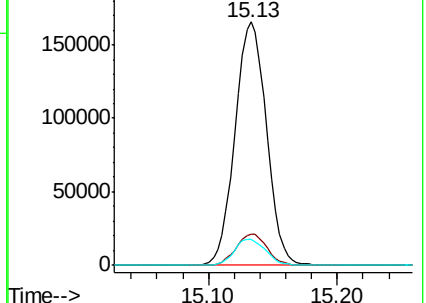
129 10.8 8.4 12.6



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: 21.186 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059028.D

Acq: 31 Oct 2019 10:33

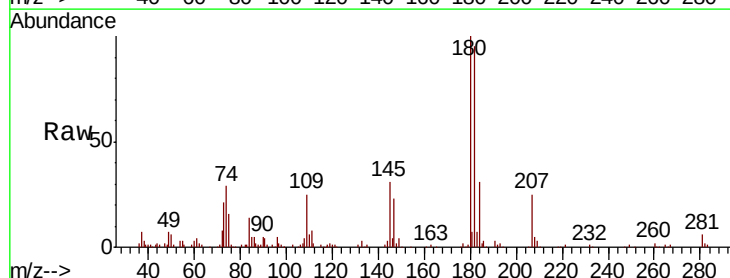
Tgt Ion:180 Resp: 102333

Ion Ratio Lower Upper

180 100

182 94.4 47.9 143.7

145 32.2 15.9 47.7



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

