

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\  
 Data File : VN058752.D  
 Acq On : 14 Oct 2019 16:11  
 Operator : JC/SP  
 Sample : K5111-07 0.2PPB LOD  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 15 03:11:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 385740   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 645027   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 583200   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 244221   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 311264   | 57.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 115.28% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 217432   | 54.57 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.14% |          |
| 50) Toluene-d8              | 10.08 | 98   | 801701   | 50.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.64% |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 276688   | 45.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.76%  |          |

| Target Compounds           | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane | 1.84 | 85   | 1149     | 0.239 | ug/l   | 96     |
| 3) Chloromethane           | 2.04 | 50   | 1744     | 0.305 | ug/l   | 96     |
| 4) Vinyl Chloride          | 2.17 | 62   | 1237     | 0.217 | ug/l # | 84     |
| 5) Bromomethane            | 2.55 | 94   | 1181     | 0.341 | ug/l   | 87     |
| 6) Chloroethane            | 2.69 | 64   | 976      | 0.278 | ug/l # | 73     |
| 7) Trichlorofluoromethane  | 3.00 | 101  | 1536     | 0.226 | ug/l   | 96     |
| 10) Methyl Iodide          | 3.93 | 142  | 1165     | 0.220 | ug/l # | 78     |
| 11) Tert butyl alcohol     | 4.77 | 59   | 684      | 0.782 | ug/l # | 72     |
| 12) 1,1-Dichloroethene     | 3.71 | 96   | 918      | 0.248 | ug/l # | 61     |
| 13) Acrolein               | 3.58 | 56   | 352      | 0.500 | ug/l # | 40     |
| 15) Acrylonitrile          | 4.96 | 53   | 478      | 0.217 | ug/l # | 17     |
| 16) Acetone                | 3.81 | 43   | 3792     | 1.696 | ug/l # | 86     |
| 17) Carbon Disulfide       | 4.02 | 76   | 3542     | 0.299 | ug/l # | 75     |
| 18) Methyl Acetate         | 4.31 | 43   | 2580     | 0.455 | ug/l # | 67     |
| 20) Methylene Chloride     | 4.53 | 84   | 1032     | 0.221 | ug/l # | 70     |
| 23) Vinyl Acetate          | 5.88 | 43   | 11181    | 0.953 | ug/l   | 100    |
| 25) 2-Butanone             | 6.82 | 43   | 2238     | 0.693 | ug/l   | 98     |
| 26) 2,2-Dichloropropane    | 6.80 | 77   | 2706     | 0.358 | ug/l # | 59     |
| 27) cis-1,2-Dichloroethene | 6.82 | 96   | 1137     | 0.235 | ug/l   | 67     |
| 29) Tetrahydrofuran        | 7.19 | 42   | 1040     | 0.498 | ug/l # | 46     |
| 31) Cyclohexane            | 7.65 | 56   | 10519    | 1.328 | ug/l # | 16     |
| 32) 1,1,1-Trichloroethane  | 7.55 | 97   | 1546     | 0.218 | ug/l # | 50     |
| 36) 1,1-Dichloropropene    | 7.78 | 75   | 1781     | 0.273 | ug/l # | 50     |
| 38) Carbon Tetrachloride   | 7.75 | 117  | 1574     | 0.248 | ug/l # | 80     |
| 39) Methylcyclohexane      | 9.07 | 83   | 1624     | 0.215 | ug/l # | 84     |
| 40) Benzene                | 8.03 | 78   | 4515     | 0.241 | ug/l   | 94     |
| 42) 1,2-Dichloroethane     | 8.10 | 62   | 1442     | 0.200 | ug/l   | 83     |
| 43) Isopropyl Acetate      | 8.16 | 43   | 2712     | 0.241 | ug/l # | 72     |
| 44) Trichloroethene        | 8.82 | 130  | 1133     | 0.244 | ug/l   | 66     |
| 45) 1,2-Dichloropropane    | 9.11 | 63   | 1100     | 0.219 | ug/l # | 45     |
| 46) Dibromomethane         | 9.20 | 93   | 759      | 0.239 | ug/l # | 26     |
| 47) Bromodichloromethane   | 9.38 | 83   | 1571     | 0.243 | ug/l # | 75     |
| 48) Methyl methacrylate    | 9.19 | 41   | 1156     | 0.227 | ug/l # | 63     |
| 49) 1,4-Dioxane            | 9.20 | 88   | 296      | 3.757 | ug/l # | 58     |

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 Operator : JC/SP  
 Sample : K5111-07 0.2PPB LOD  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

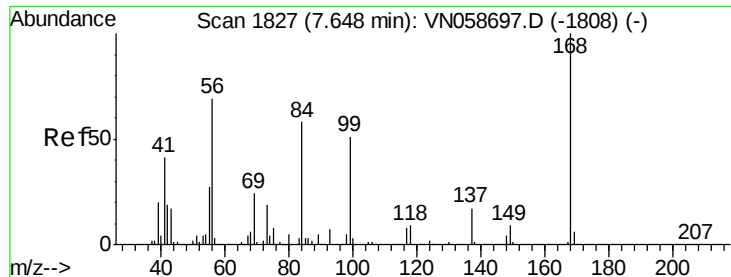
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 15 03:11:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 6420     | 1.017  | ug/l   | 94       |
| 52) Toluene                    | 10.16 | 92   | 2351     | 0.205  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 2392     | 0.322  | ug/l # | 1        |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 1581     | 0.201  | ug/l # | 53       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 1112     | 0.237  | ug/l # | 89       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 1940     | 0.243  | ug/l   | 93       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 2561     | 0.776  | ug/l # | 84       |
| 59) 2-Hexanone                 | 10.75 | 43   | 5125     | 1.051  | ug/l   | 84       |
| 64) Tetrachloroethene          | 10.63 | 164  | 1256     | 0.308  | ug/l # | 85       |
| 65) Chlorobenzene              | 11.43 | 112  | 2817     | 0.238  | ug/l   | 96       |
| 67) Ethyl Benzene              | 11.51 | 91   | 4938     | 0.234  | ug/l # | 85       |
| 68) m/p-Xylenes                | 11.62 | 106  | 3242     | 0.409  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 1544     | 0.201  | ug/l   | 94       |
| 71) Bromoform                  | 12.12 | 173  | 660      | 0.206  | ug/l # | 28       |
| 73) Isopropylbenzene           | 12.25 | 105  | 3988     | 0.225  | ug/l   | 93       |
| 74) N-amyl acetate             | 12.08 | 43   | 1648     | 0.207  | ug/l # | 92       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 1553     | 0.267  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 12.41 | 75   | 149585   | 27.920 | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 1014     | 0.236  | ug/l   | 59       |
| 78) n-propylbenzene            | 12.60 | 91   | 4745     | 0.230  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 3318     | 0.259  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 3550     | 0.235  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.41 | 75   | 149585   | 74.789 | ug/l # | 11       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 3205     | 0.244  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 2885     | 0.223  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 3470     | 0.204  | ug/l   | 88       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 3178     | 0.205  | ug/l   | 87       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1822     | 0.230  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 1822     | 0.226  | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.62 | 91   | 3091     | 0.216  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.67 | 146  | 2051     | 0.265  | ug/l   | 92       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 576      | 0.423  | ug/l # | 26       |
| 93) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 1165     | 0.247  | ug/l   | 95       |
| 94) Hexachlorobutadiene        | 15.02 | 225  | 570      | 0.229  | ug/l   | 92       |
| 95) Naphthalene                | 15.13 | 128  | 3826     | 0.282  | ug/l # | 90       |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 1246     | 0.271  | ug/l   | 89       |
| -----                          |       |      |          |        |        |          |

(#) = 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: VN058752.D

Acq: 14 Oct 2019 16:11

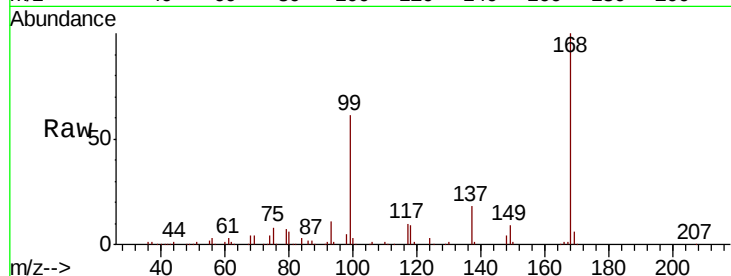
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 385740

Ion Ratio Lower Upper

168 100

99 60.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

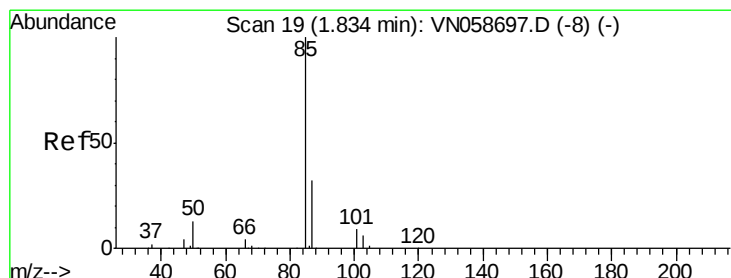
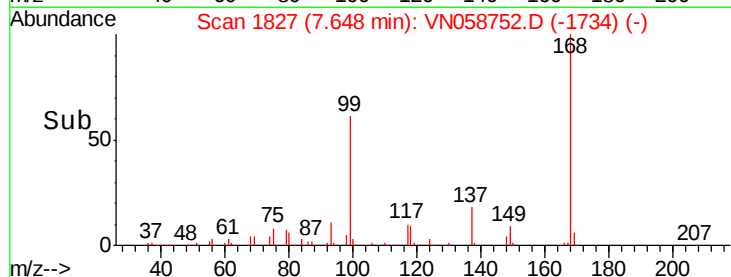
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.239 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058752.D

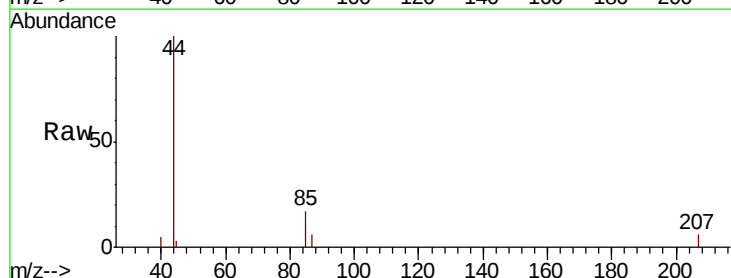
Acq: 14 Oct 2019 16:11

Tgt Ion: 85 Resp: 1149

Ion Ratio Lower Upper

85 100

87 34.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1000

800

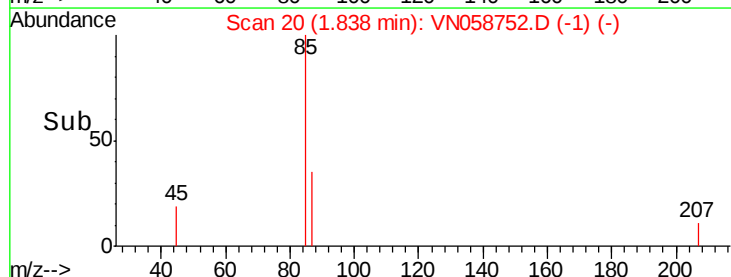
600

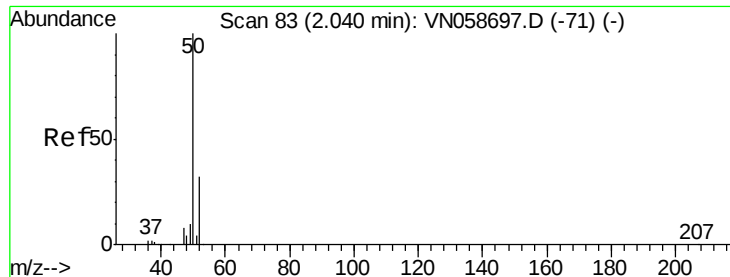
400

200

0

Time-->





#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

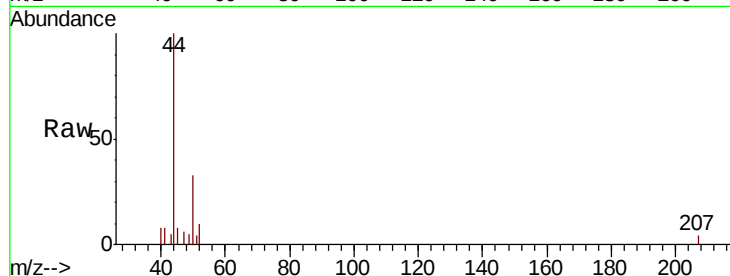
ClientSampled :

Tot Ion: 50 Resp: 1744

Ion Ratio Lower Upper

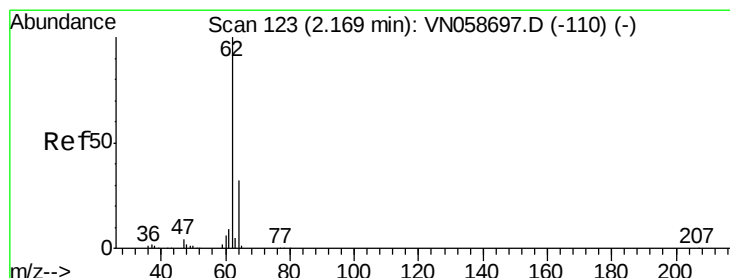
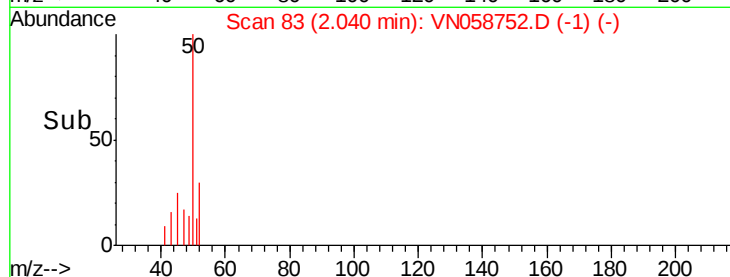
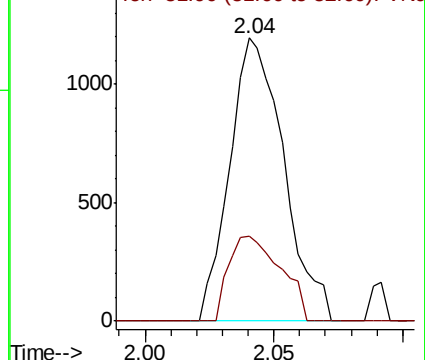
50 100

52 29.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.217 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058752.D

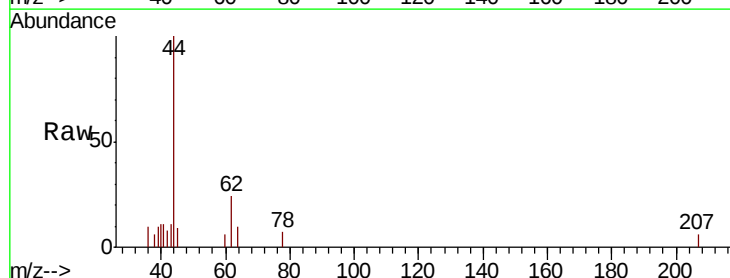
Acq: 14 Oct 2019 16:11

Tgt Ion: 62 Resp: 1237

Ion Ratio Lower Upper

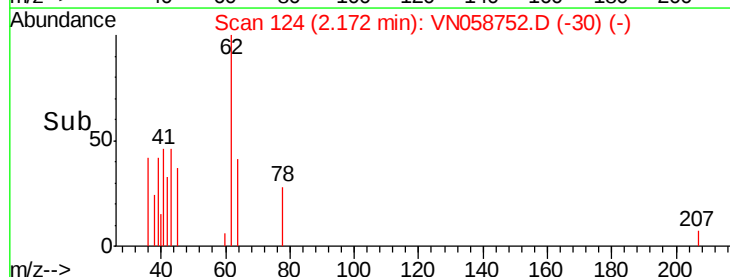
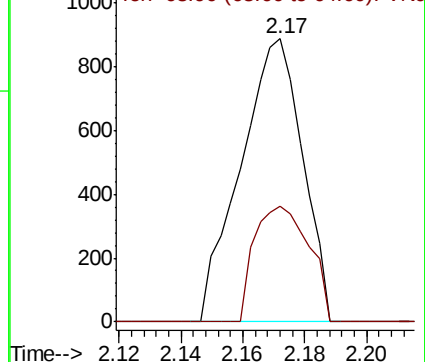
62 100

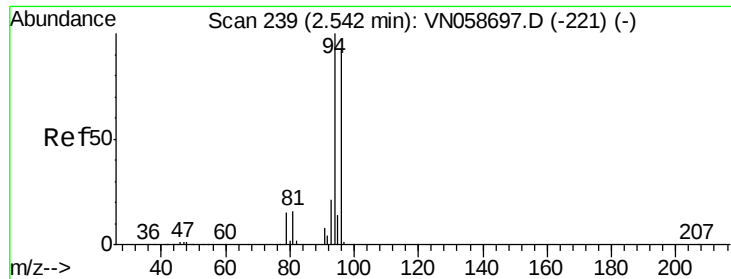
64 40.7 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 0.341 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

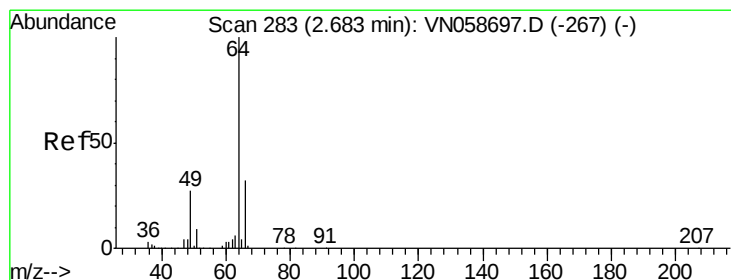
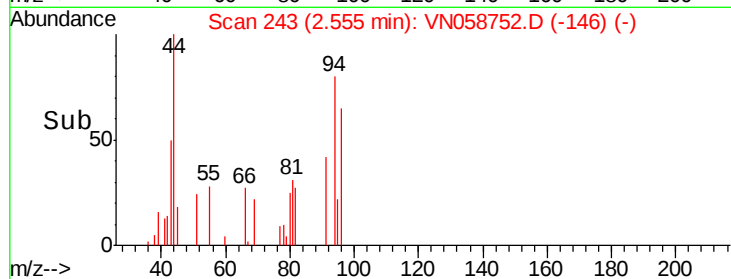
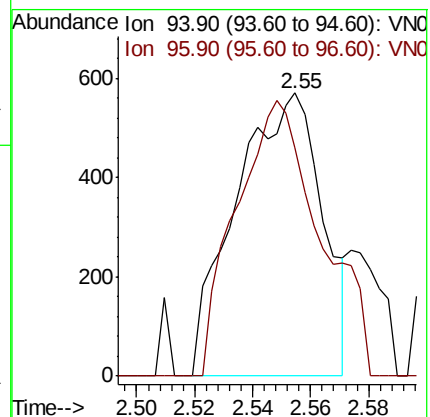
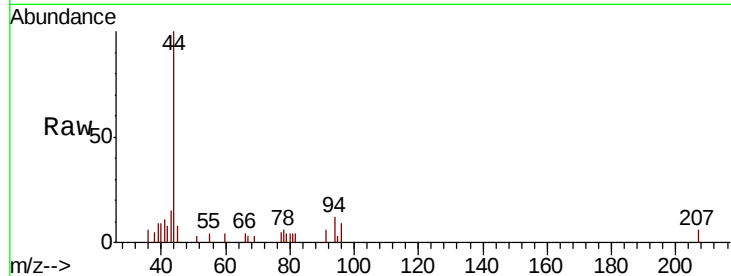
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 94 Resp: 1181

Ion Ratio Lower Upper

94 100

96 80.9 74.5 111.7



#6

Chloroethane

Concen: 0.278 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN058752.D

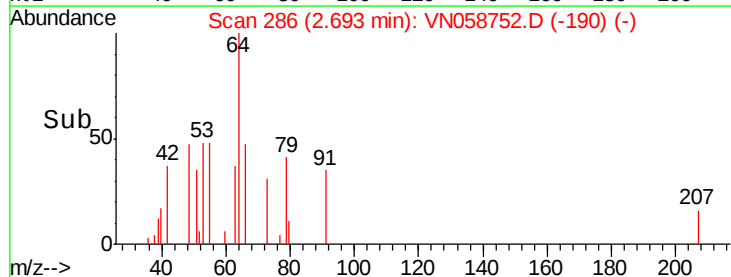
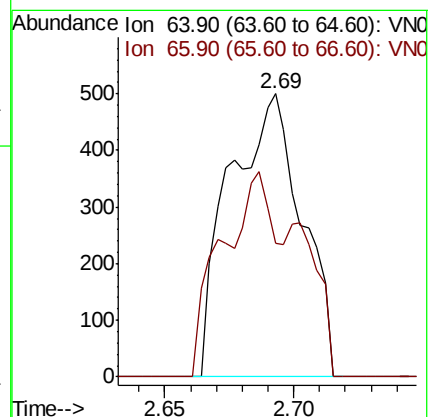
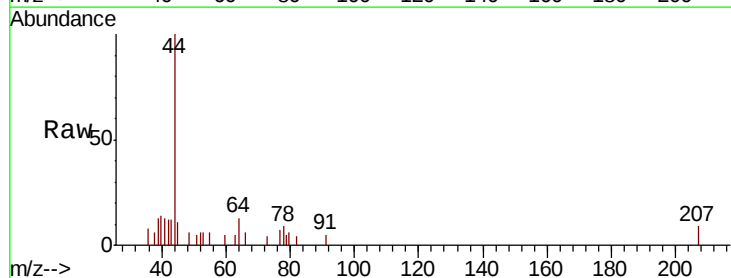
Acq: 14 Oct 2019 16:11

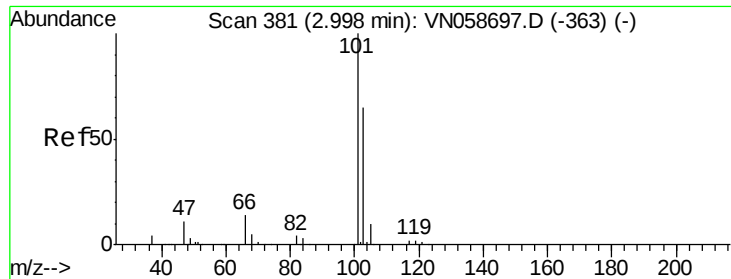
Tgt Ion: 64 Resp: 976

Ion Ratio Lower Upper

64 100

66 47.0 25.4 38.2#



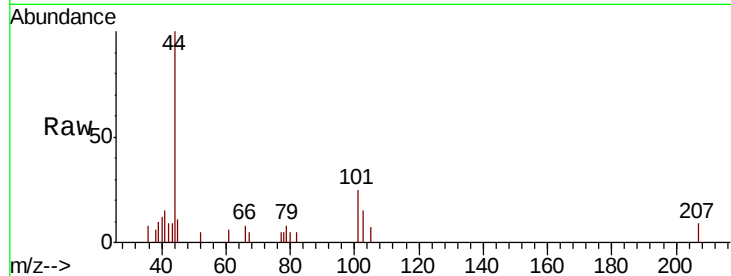


#7

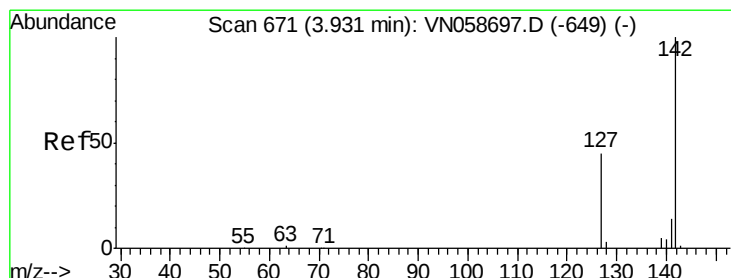
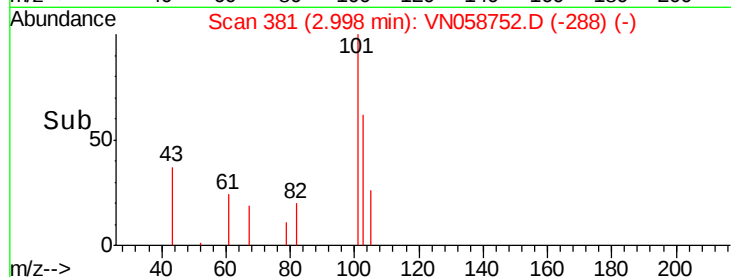
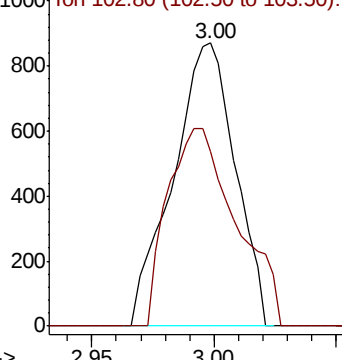
Trichlorofluoromethane  
Concen: 0.226 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:101 Resp: 1536  
Ion Ratio Lower Upper  
101 100  
103 61.5 51.8 77.6



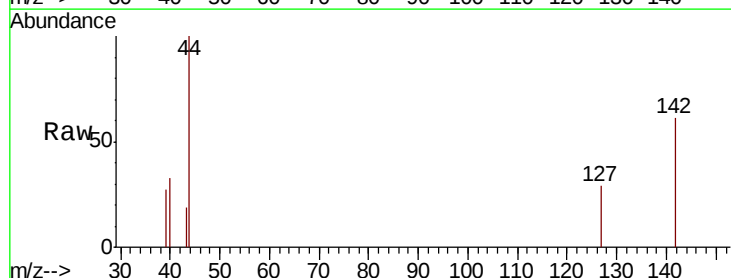
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



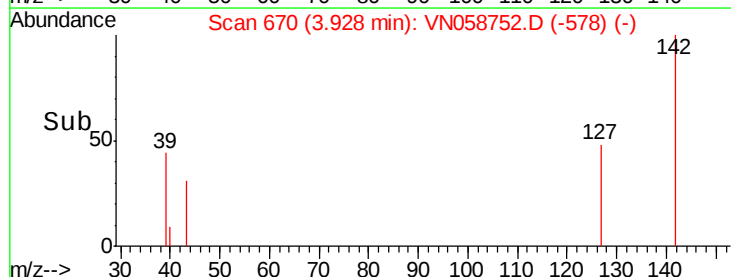
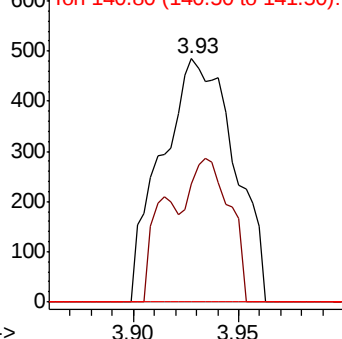
#10

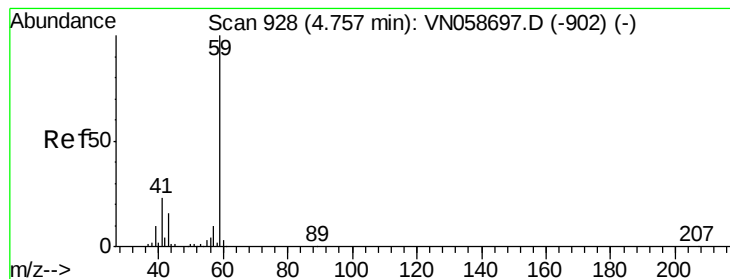
Methyl Iodide  
Concen: 0.220 ug/l  
RT: 3.93 min Scan# 670  
Delta R.T. -0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion:142 Resp: 1165  
Ion Ratio Lower Upper  
142 100  
127 33.8 36.4 54.6#  
141 0.0 11.1 16.7#



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



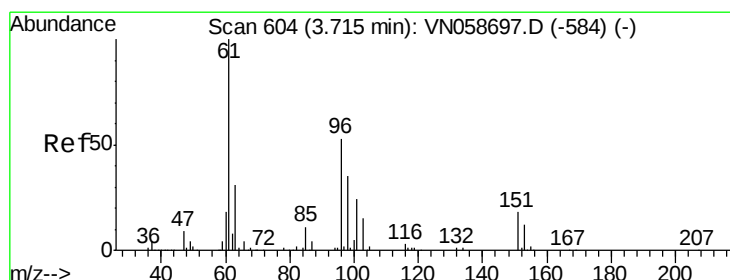
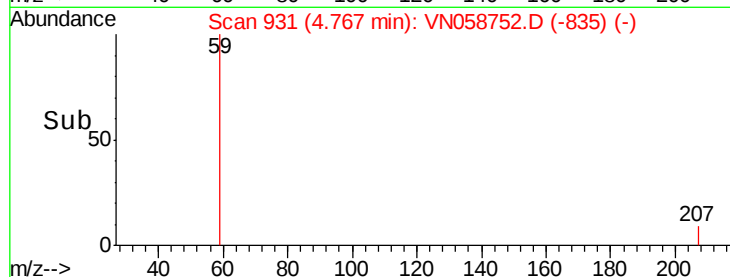
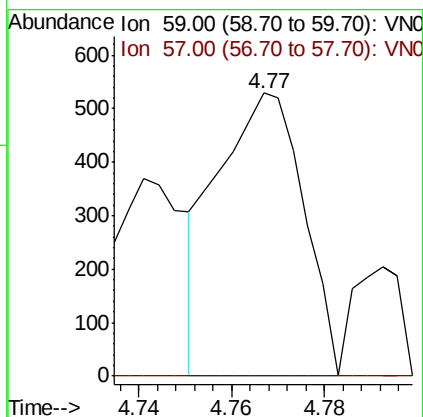
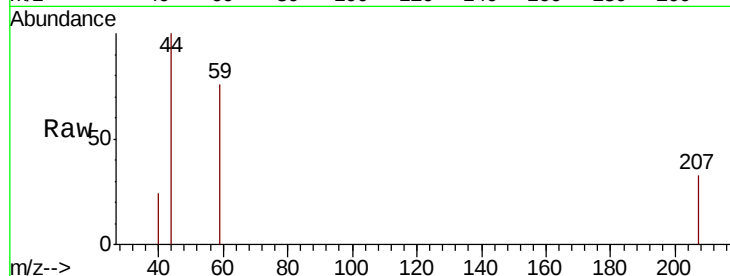


#11

Tert butyl alcohol  
 Concen: 0.782 ug/l  
 RT: 4.77 min Scan# 931  
 Delta R.T. 0.01 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Instrument :  
 MSVOA\_N  
 ClientSampled :

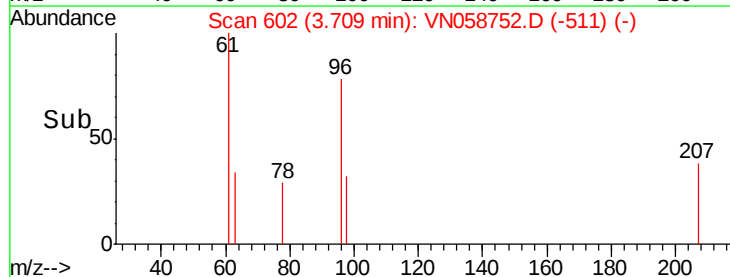
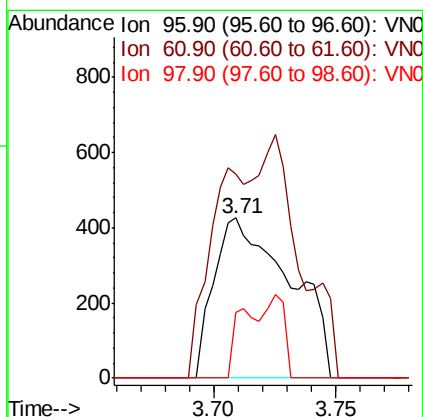
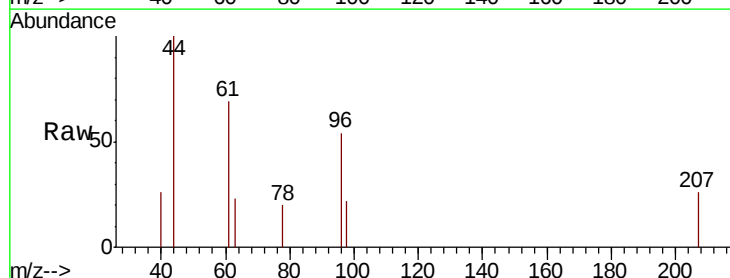
Tot Ion: 59 Resp: 684  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.4 12.6#

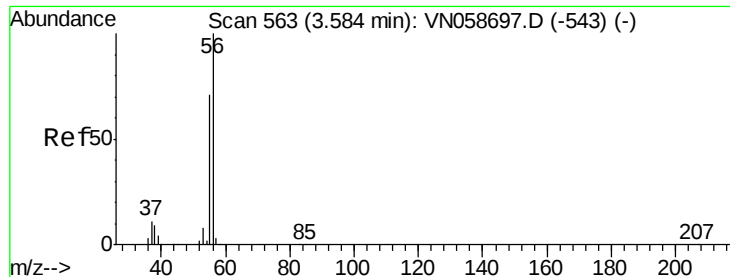


#12

1,1-Dichloroethene  
 Concen: 0.248 ug/l  
 RT: 3.71 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Tgt Ion: 96 Resp: 918  
 Ion Ratio Lower Upper  
 96 100  
 61 127.5 151.3 226.9#  
 98 41.1 52.6 78.8#





#13

Acrolein

Concen: 0.500 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

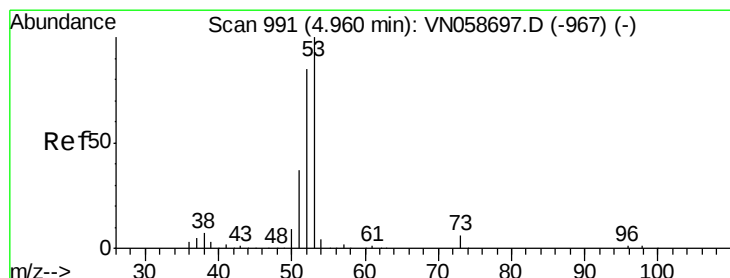
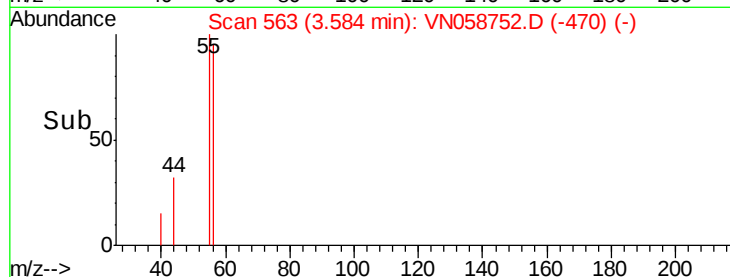
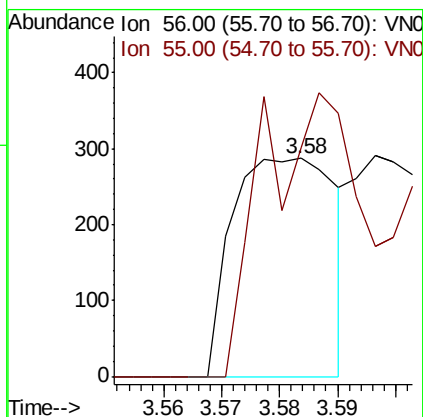
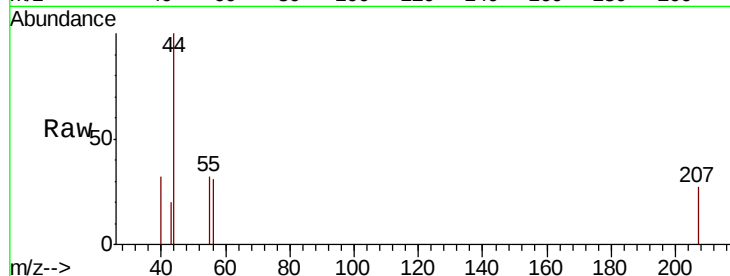
ClientSampled :

Tot Ion: 56 Resp: 352

Ion Ratio Lower Upper

56 100

55 120.2 56.7 85.1#



#15

Acrylonitrile

Concen: 0.217 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

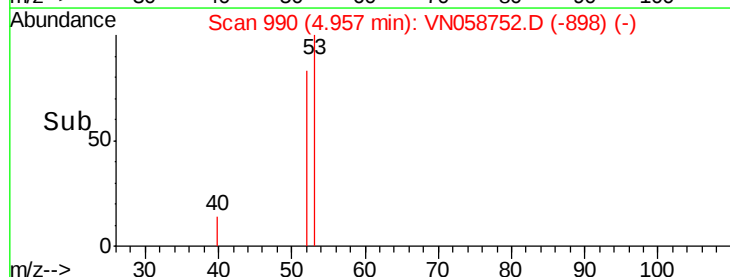
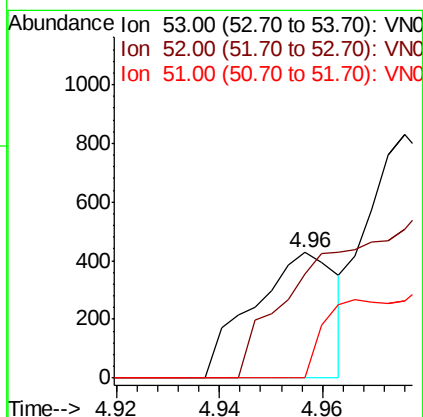
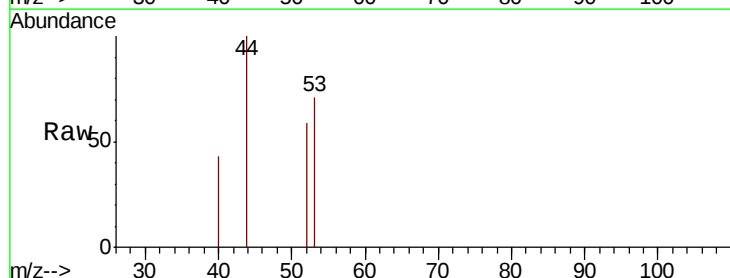
Tgt Ion: 53 Resp: 478

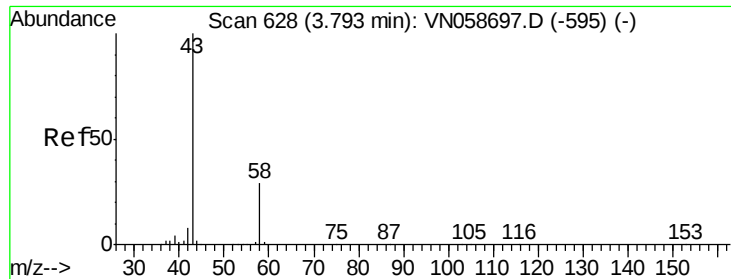
Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 0.0 29.4 44.2#





#16

Acetone

Concen: 1.696 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

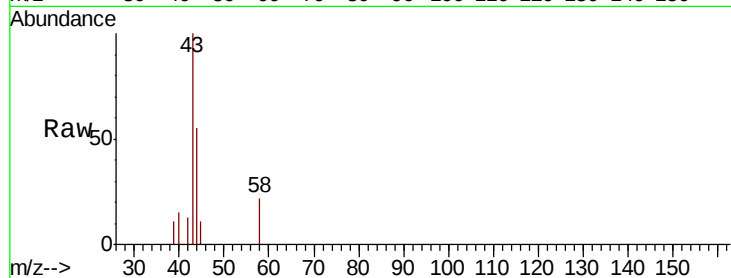
ClientSampled :

Tot Ion: 43 Resp: 3792

Ion Ratio Lower Upper

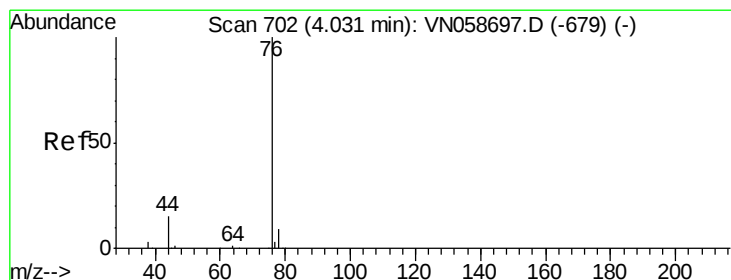
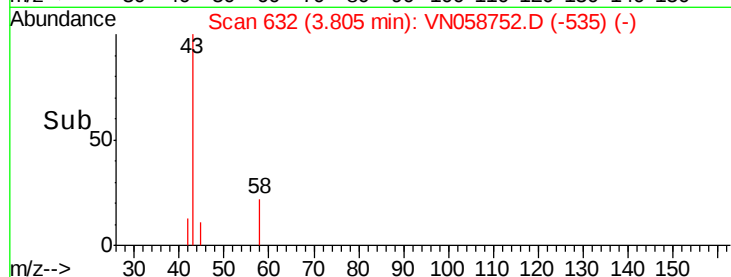
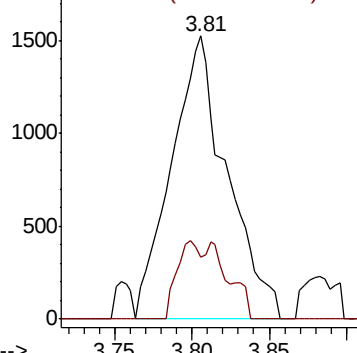
43 100

58 21.8 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.299 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN058752.D

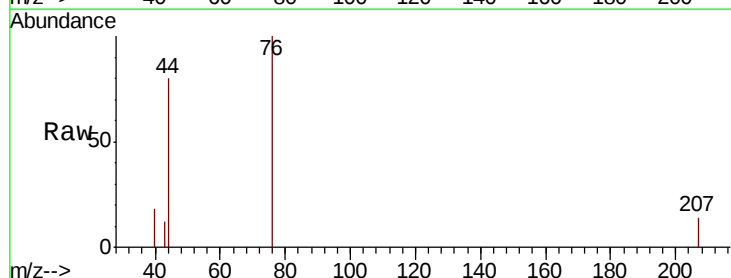
Acq: 14 Oct 2019 16:11

Tgt Ion: 76 Resp: 3542

Ion Ratio Lower Upper

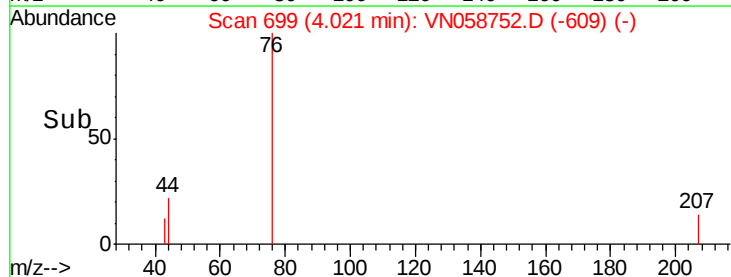
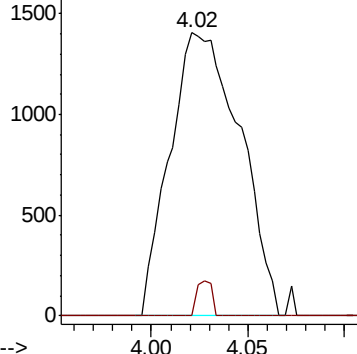
76 100

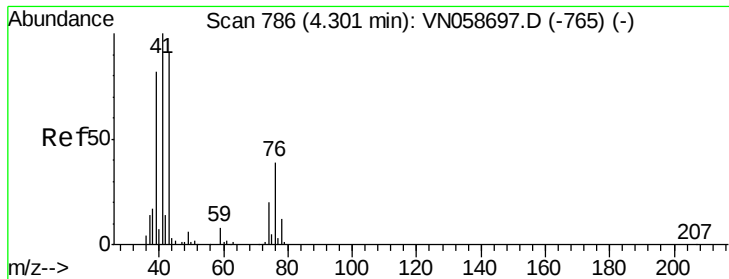
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

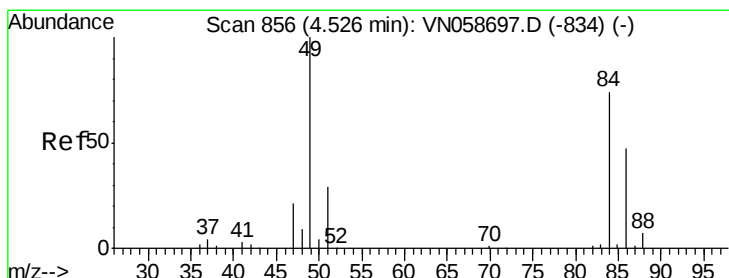
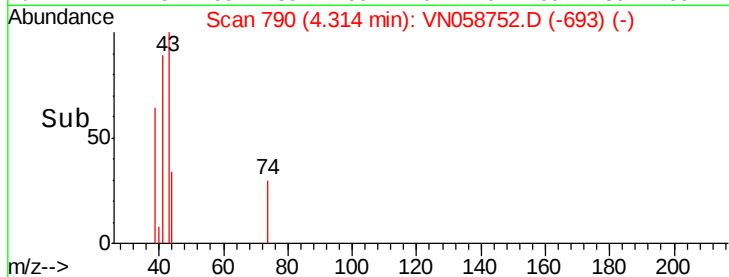
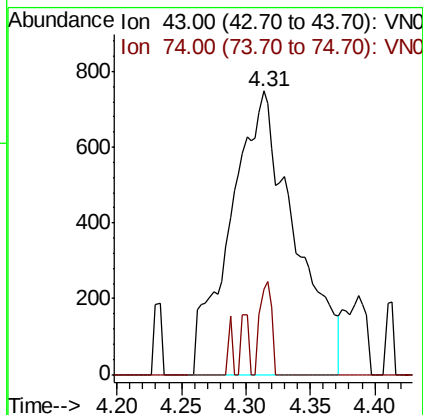
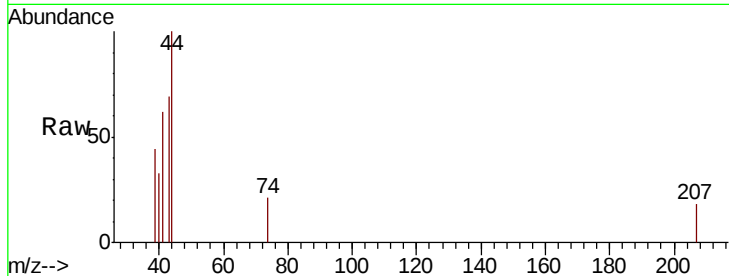




#18  
Methyl Acetate  
Concen: 0.455 ug/l  
RT: 4.31 min Scan# 790  
Delta R.T. 0.01 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

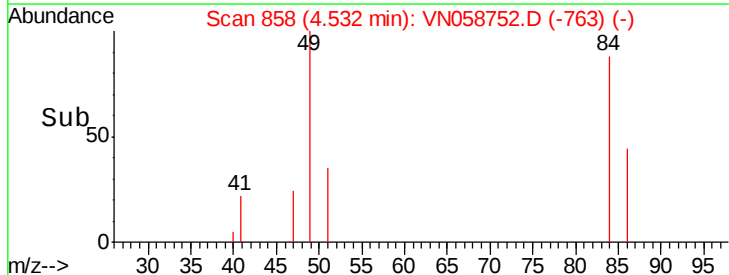
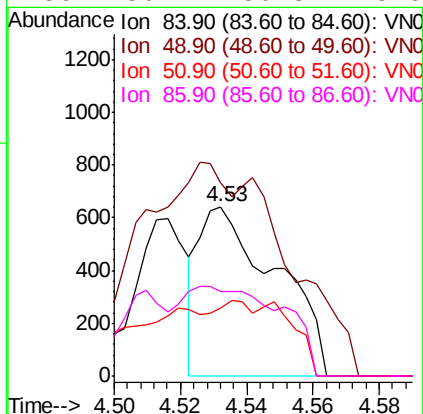
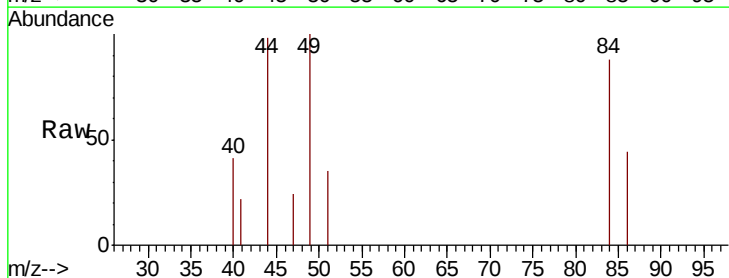
Instrument :  
MSVOA\_N  
ClientSampled :

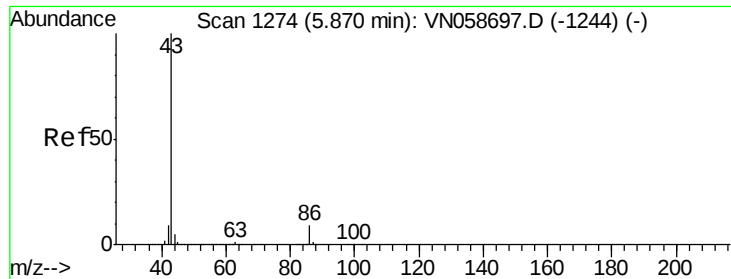
Tot Ion: 43 Resp: 2580  
Ion Ratio Lower Upper  
43 100  
74 6.0 17.2 25.8#



#20  
Methylene Chloride  
Concen: 0.221 ug/l  
RT: 4.53 min Scan# 858  
Delta R.T. 0.01 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion: 84 Resp: 1032  
Ion Ratio Lower Upper  
84 100  
49 80.6 107.6 161.4#  
51 40.1 31.4 47.0  
86 50.2 50.3 75.5#





#23

Vinyl Acetate

Concen: 0.953 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

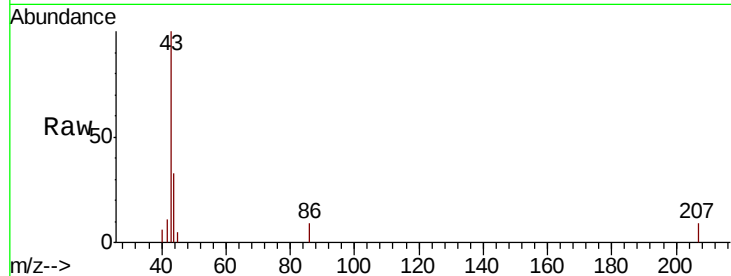
ClientSampleId :

Tot Ion: 43 Resp: 11181

Ion Ratio Lower Upper

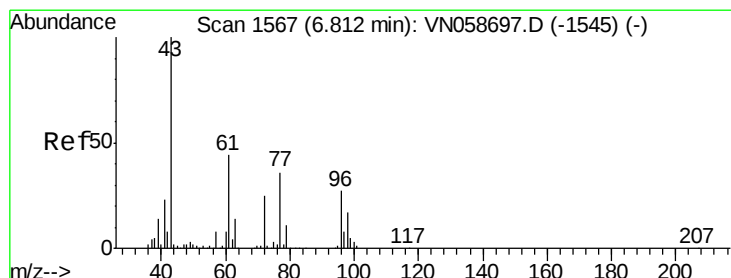
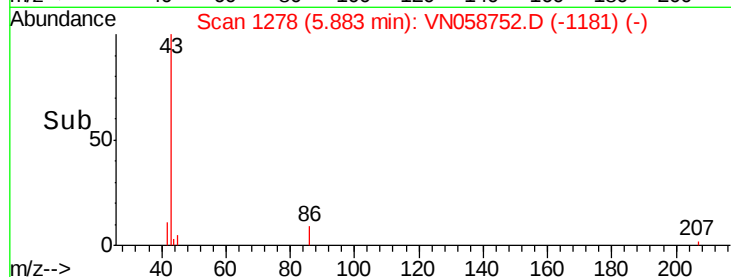
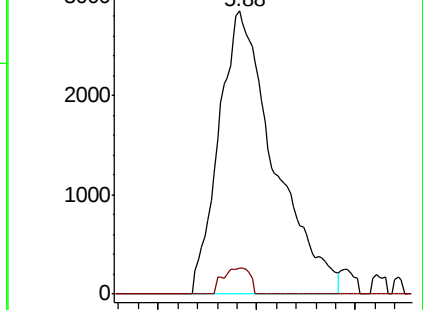
43 100

86 9.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN058752.D (-1181) (-)

Ion 86.00 (85.70 to 86.70): VN058752.D (-1181) (-)



#25

2-Butanone

Concen: 0.693 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058752.D

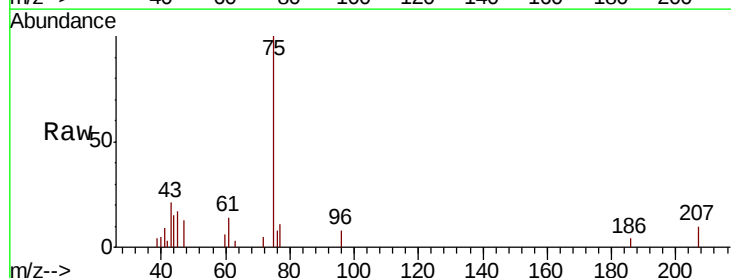
Acq: 14 Oct 2019 16:11

Tgt Ion: 43 Resp: 2238

Ion Ratio Lower Upper

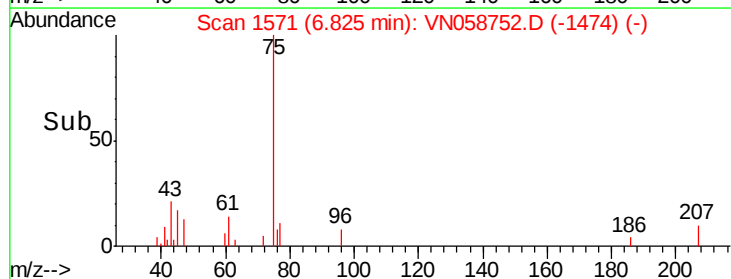
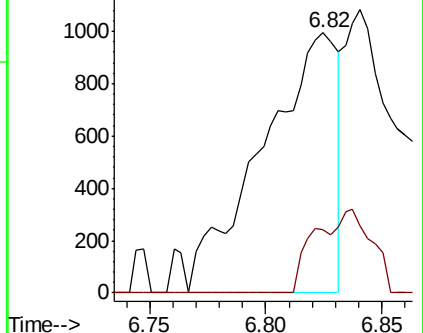
43 100

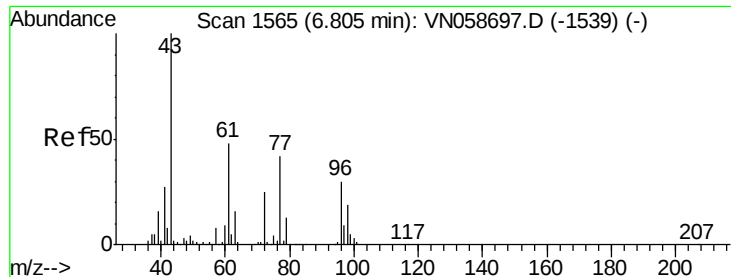
72 24.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN058752.D (-1474) (-)

Ion 72.00 (71.70 to 72.70): VN058752.D (-1474) (-)





#26

2,2-Dichloropropane

Concen: 0.358 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

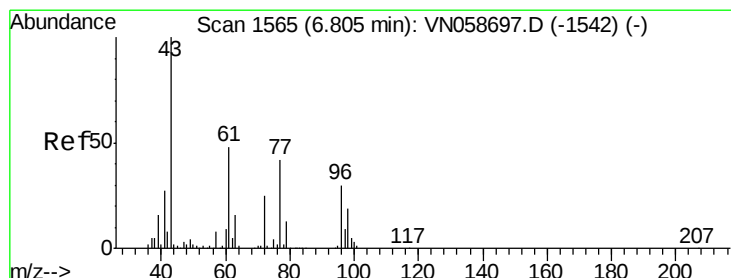
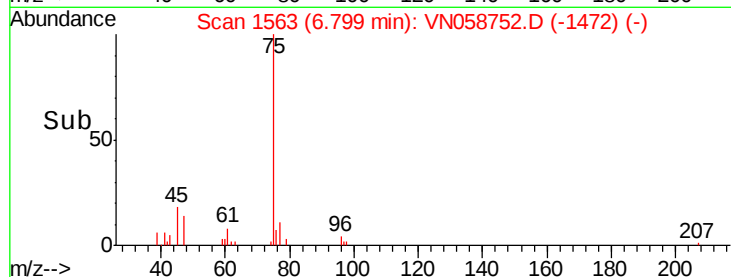
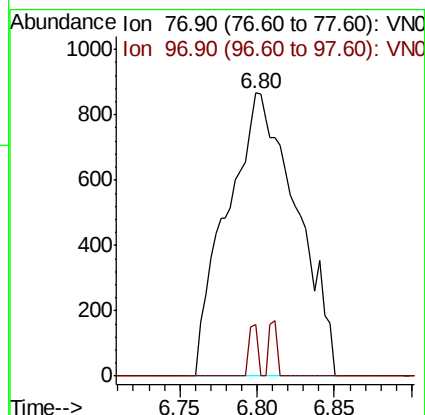
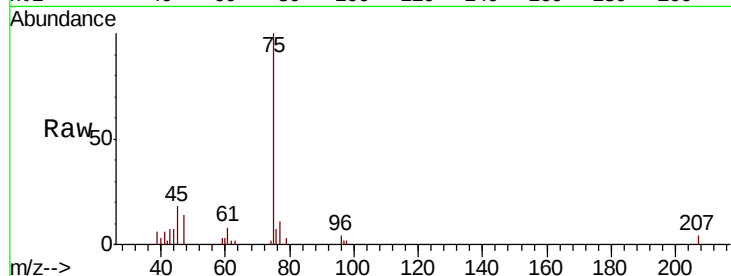
ClientSampleId :

Tot Ion: 77 Resp: 2706

Ion Ratio Lower Upper

77 100

97 2.2 10.7 31.9#



#27

cis-1,2-Dichloroethene

Concen: 0.235 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

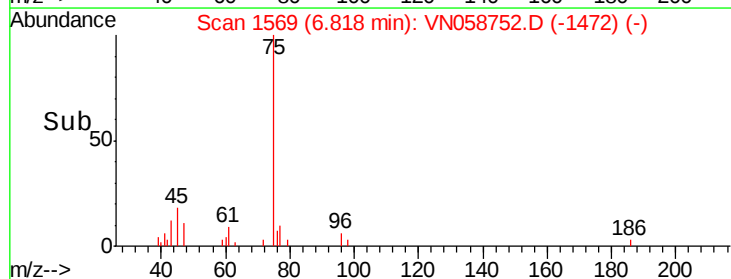
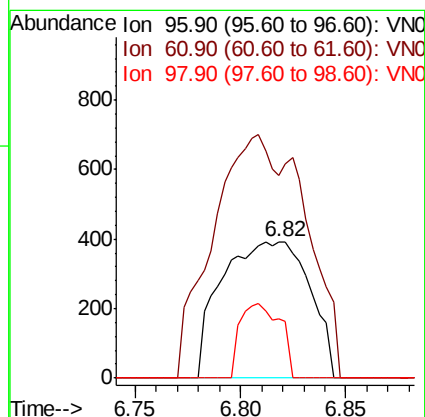
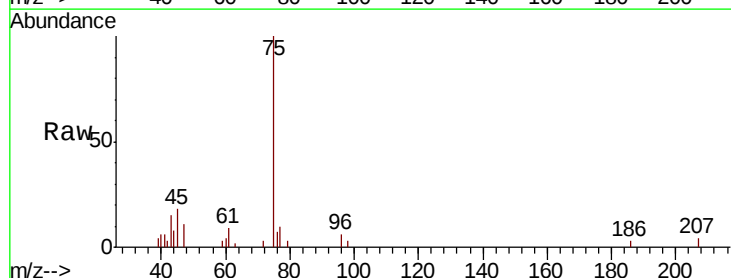
Tgt Ion: 96 Resp: 1137

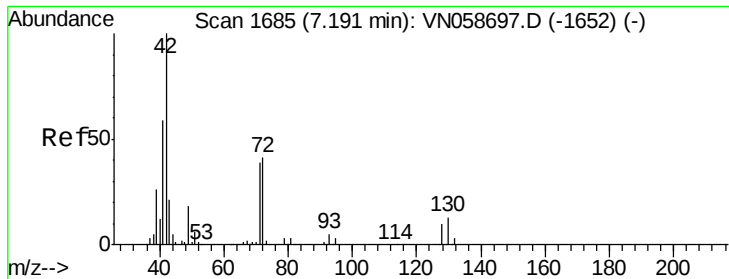
Ion Ratio Lower Upper

96 100

61 128.7 0.0 324.8

98 24.8 0.0 129.2

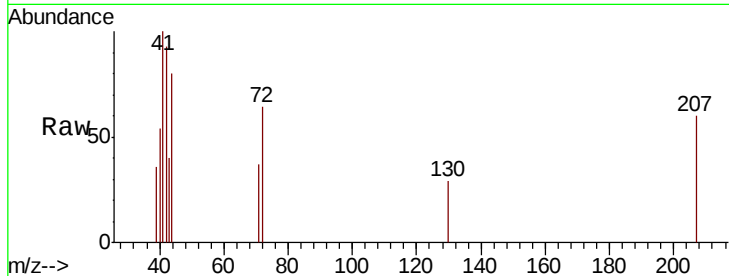




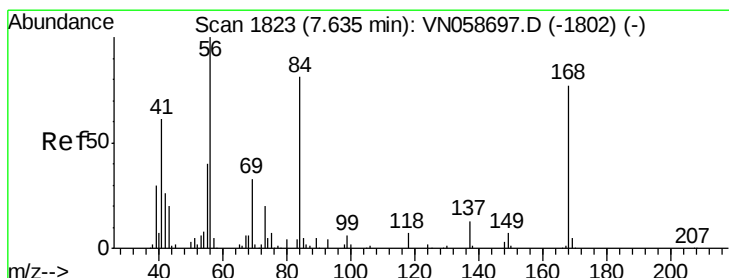
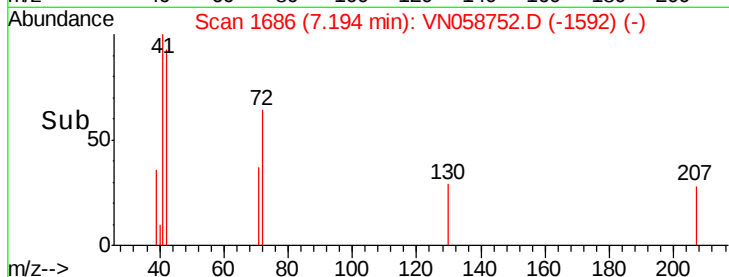
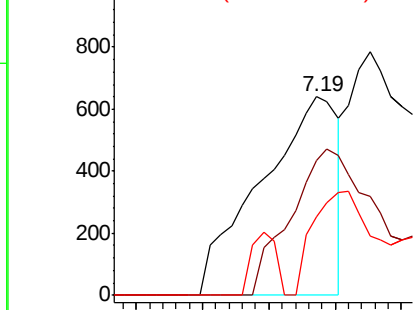
#29  
Tetrahydrofuran  
Concen: 0.498 ug/l  
RT: 7.19 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 42 Resp: 1040  
Ion Ratio Lower Upper  
42 100  
72 78.3 32.8 49.2#  
71 10.0 31.1 46.7#

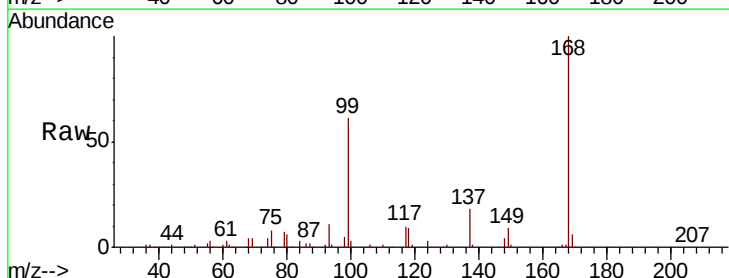


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

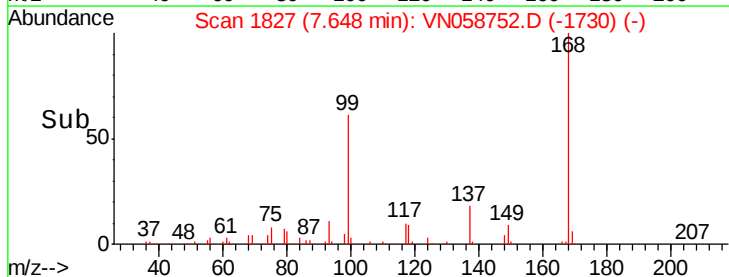
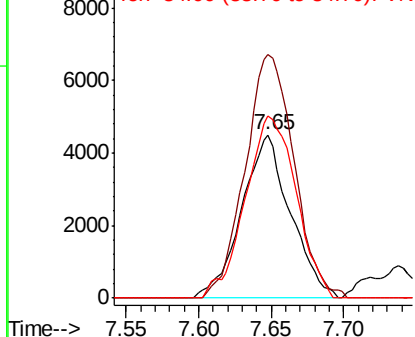


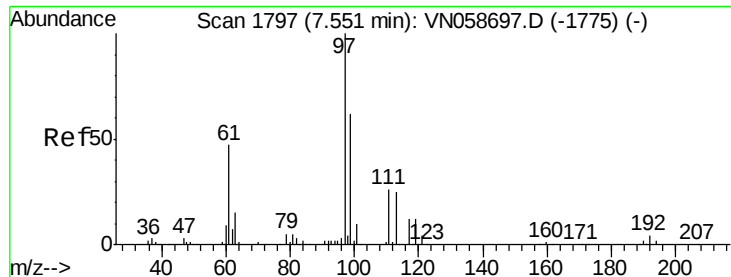
#31  
Cyclohexane  
Concen: 1.328 ug/l  
RT: 7.65 min Scan# 1827  
Delta R.T. 0.01 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion: 56 Resp: 10519  
Ion Ratio Lower Upper  
56 100  
69 149.2 26.2 39.4#  
84 111.5 64.9 97.3#



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

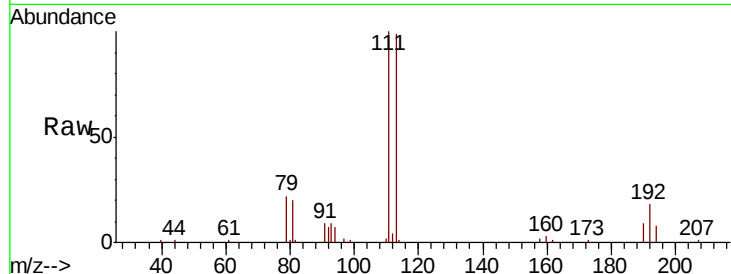




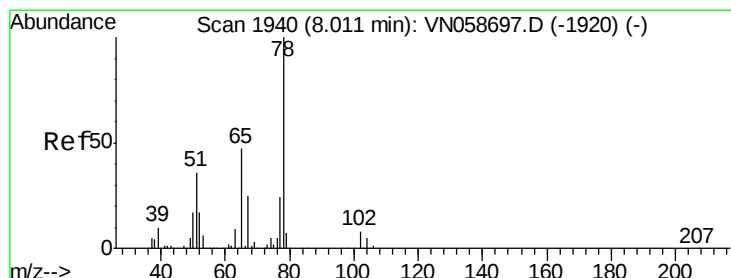
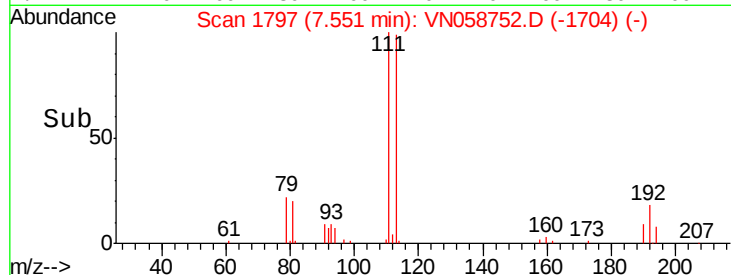
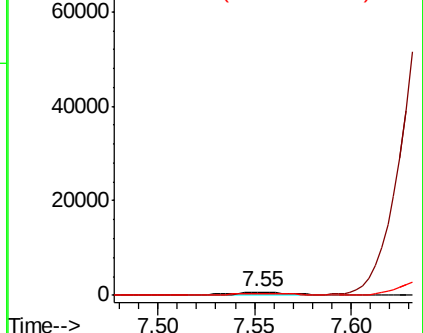
#32  
 1,1,1-Trichloroethane  
 Concen: 0.218 ug/l  
 RT: 7.55 min Scan# 1797  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion   | 97    | Resp  | 1546  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 0.0   | 50.8  | 76.2# |
| 61        | 53.0  | 38.1  | 57.1  |

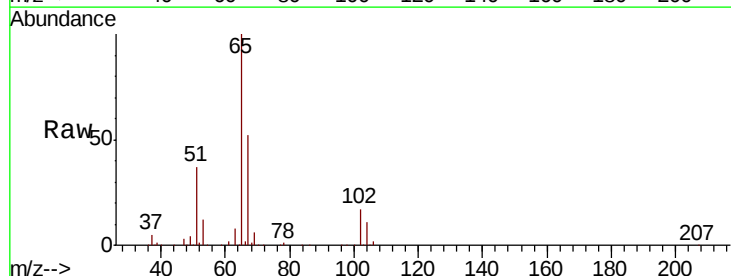


Abundance Ion 96.90 (96.60 to 97.60): VN0  
 Ion 98.90 (98.60 to 99.60): VN0  
 Ion 60.90 (60.60 to 61.60): VN0

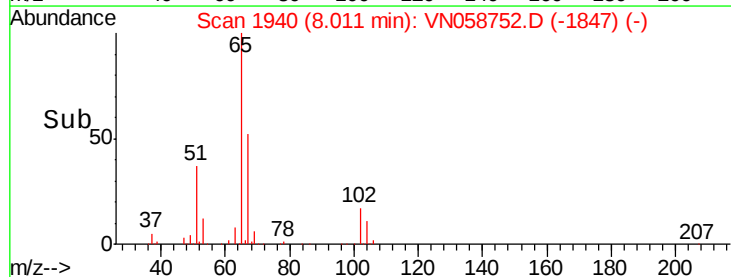
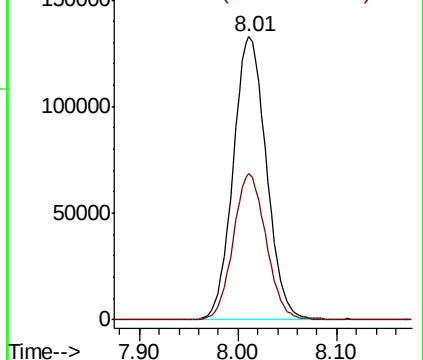


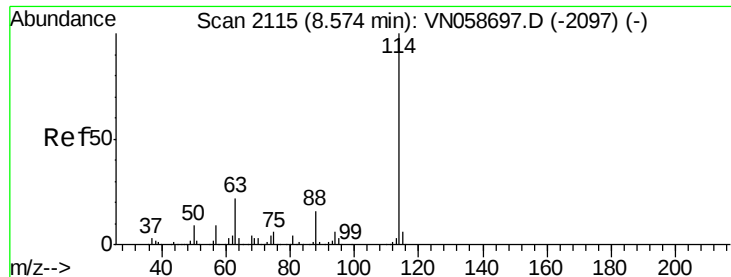
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.638 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

| Tgt Ion   | 65    | Resp  | 311264 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 67        | 51.2  | 0.0   | 103.8  |



Abundance Ion 64.90 (64.60 to 65.60): VN0  
 Ion 66.90 (66.60 to 67.60): VN0

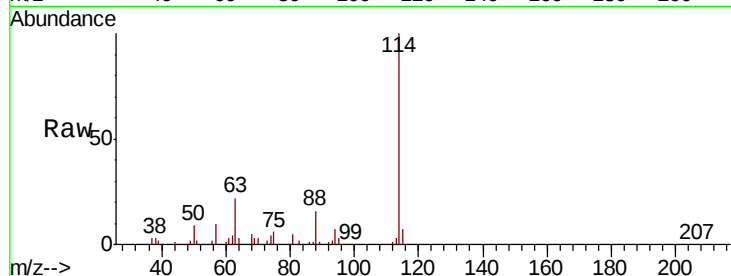




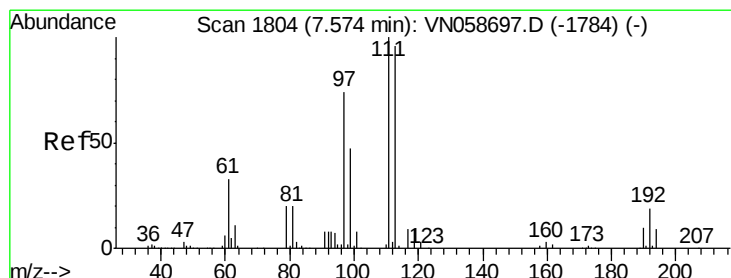
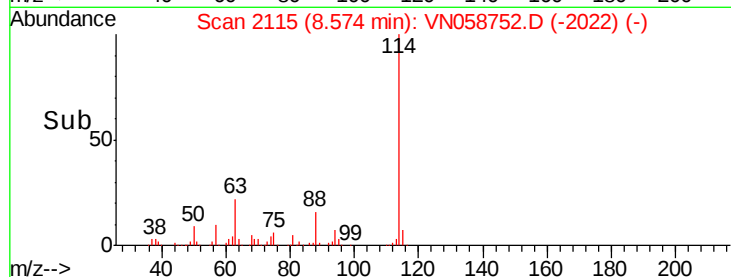
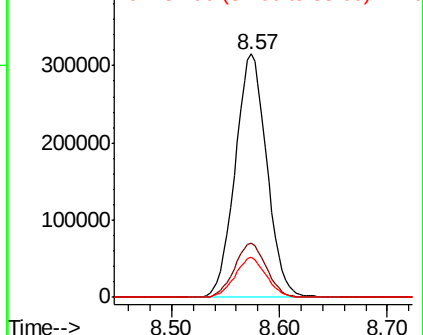
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.3  | 0.0   | 43.8  |
| 88      | 16.3  | 0.0   | 32.0  |

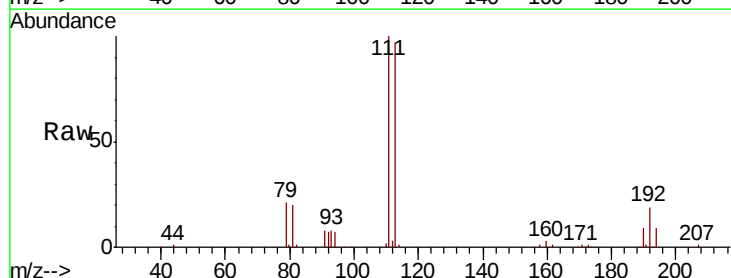


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

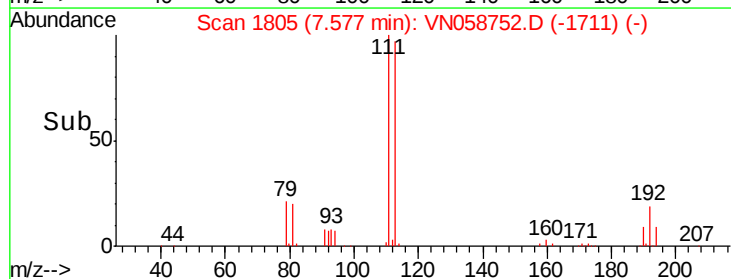
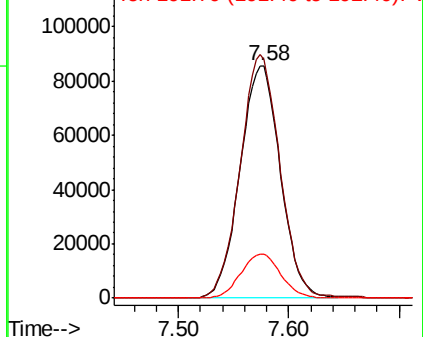


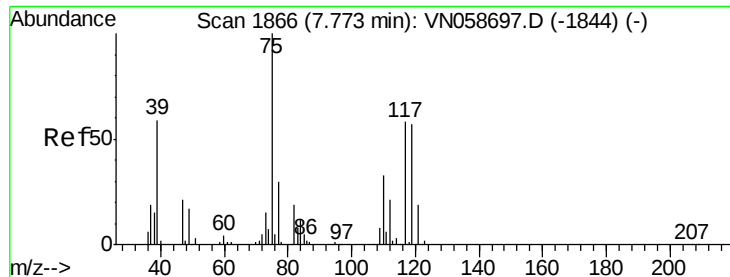
#35  
 Dibromofluoromethane  
 Concen: 54.574 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 82.3  | 123.5 |
| 192     | 18.8  | 15.0  | 22.6  |



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

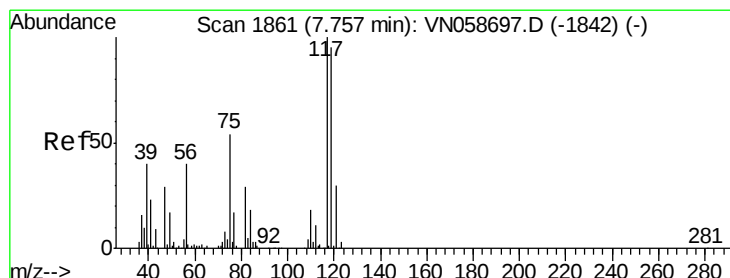
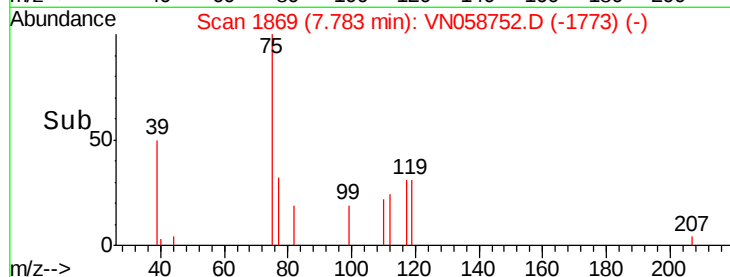
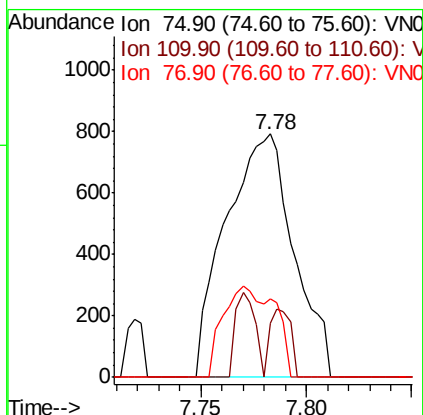
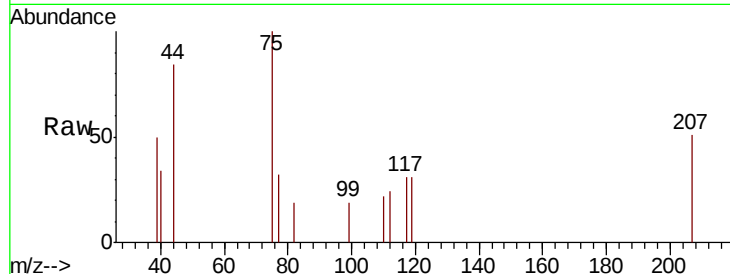




#36  
 1,1-Dichloropropene  
 Concen: 0.273 ug/l  
 RT: 7.78 min Scan# 1869  
 Delta R.T. 0.01 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

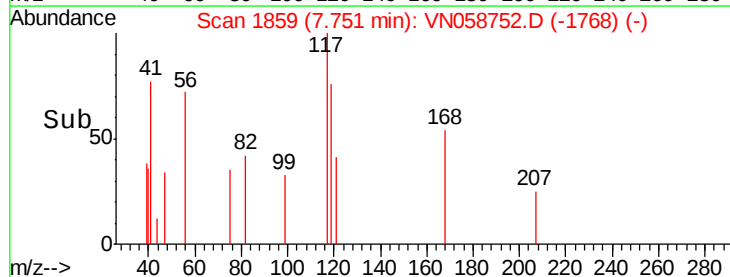
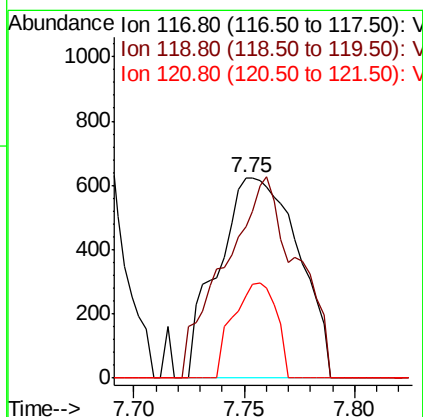
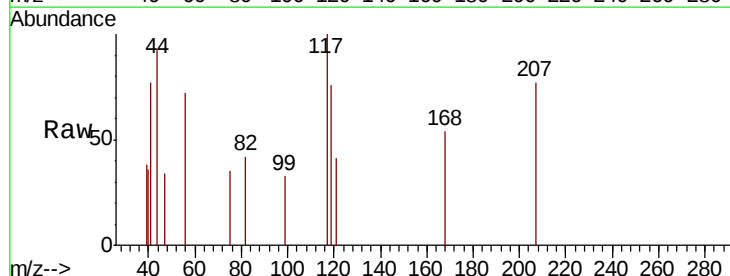
Instrument :  
 MSVOA\_N  
 ClientSampled :

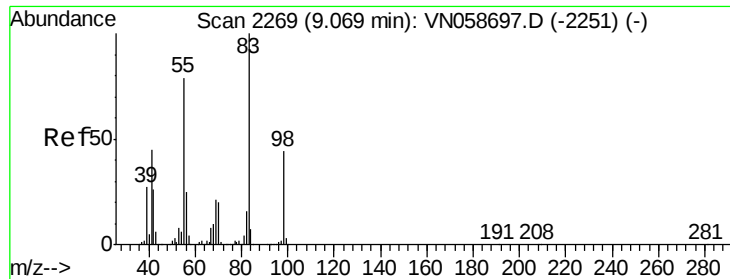
Tot Ion: 75 Resp: 1781  
 Ion Ratio Lower Upper  
 75 100  
 110 8.6 16.6 49.8#  
 77 0.0 24.6 37.0#



#38  
 Carbon Tetrachloride  
 Concen: 0.248 ug/l  
 RT: 7.75 min Scan# 1859  
 Delta R.T. -0.01 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Tgt Ion: 117 Resp: 1574  
 Ion Ratio Lower Upper  
 117 100  
 119 75.8 75.7 113.5  
 121 41.2 23.9 35.9#

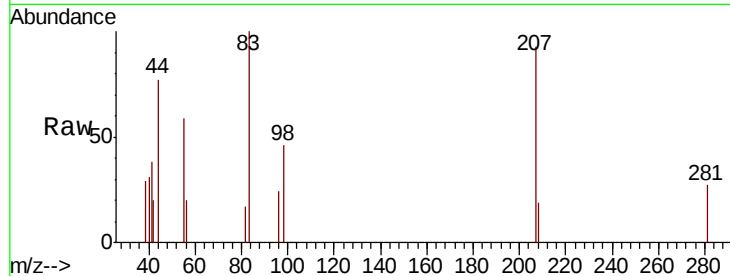




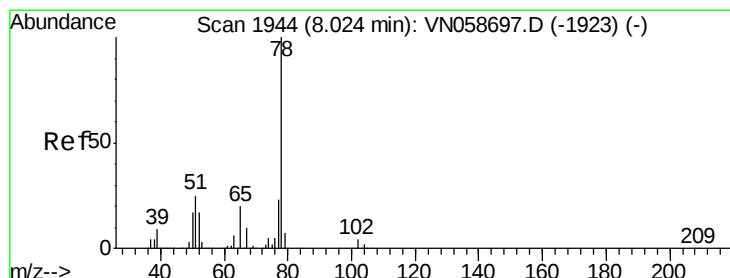
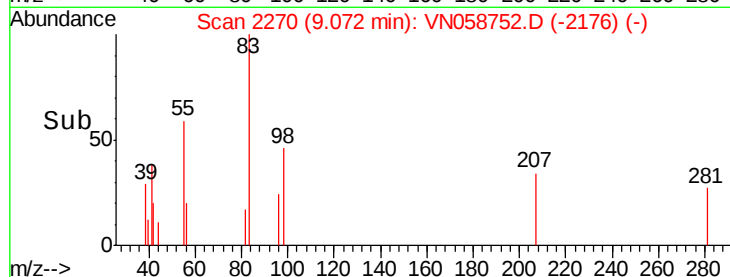
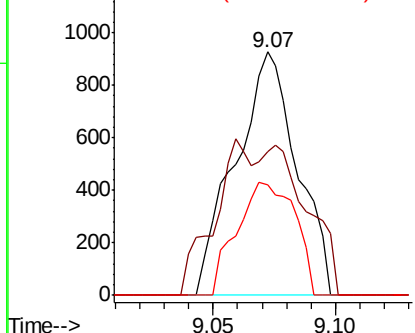
#39  
Methvlcvclohexane  
Concen: 0.215 ug/l  
RT: 9.07 min Scan# 2270  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 83 Resp: 1624  
Ion Ratio Lower Upper  
83 100  
55 58.8 63.4 95.0#  
98 45.5 35.1 52.7

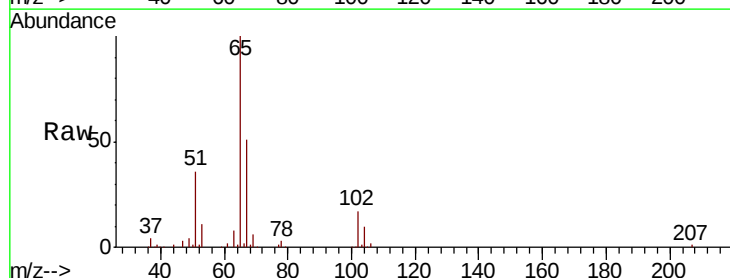


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

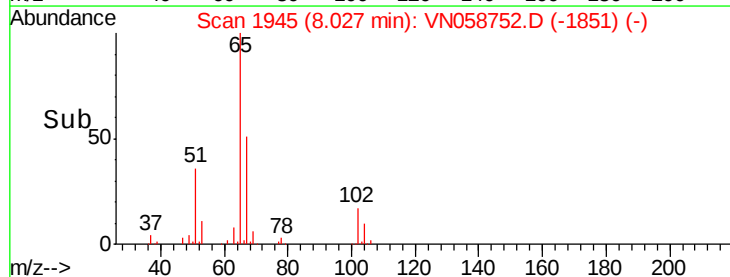
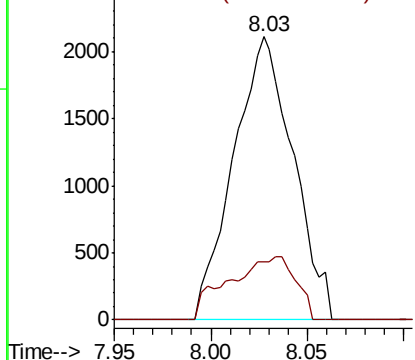


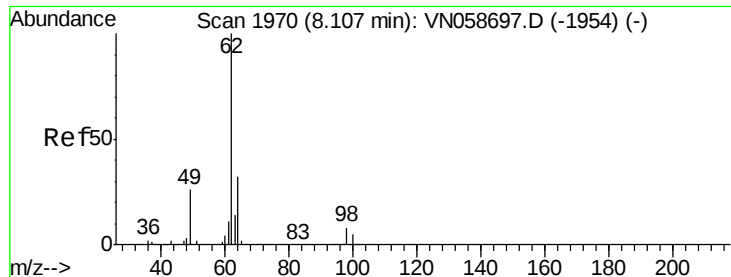
#40  
Benzene  
Concen: 0.241 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion: 78 Resp: 4515  
Ion Ratio Lower Upper  
78 100  
77 20.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0





#42

1,2-Dichloroethane

Concen: 0.200 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

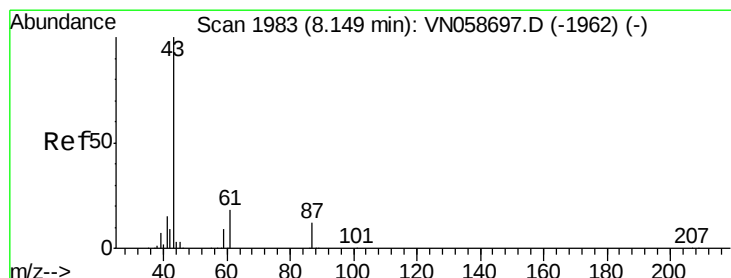
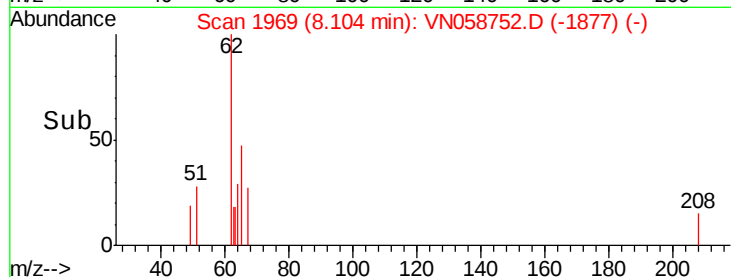
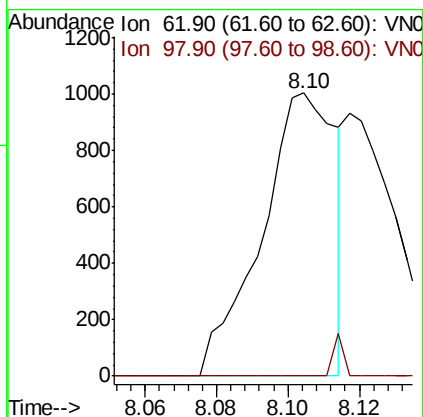
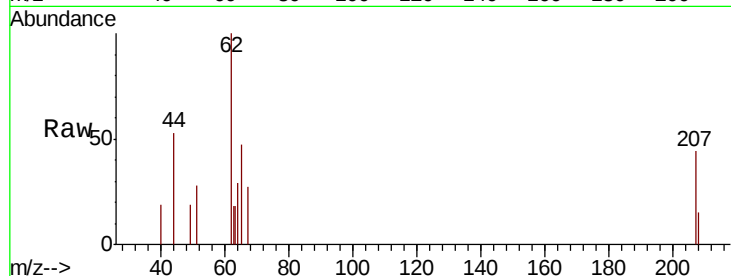
ClientSampleId :

Tot Ion: 62 Resp: 1442

Ion Ratio Lower Upper

62 100

98 2.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 0.241 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

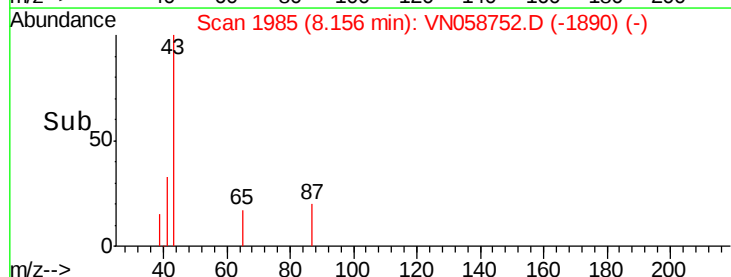
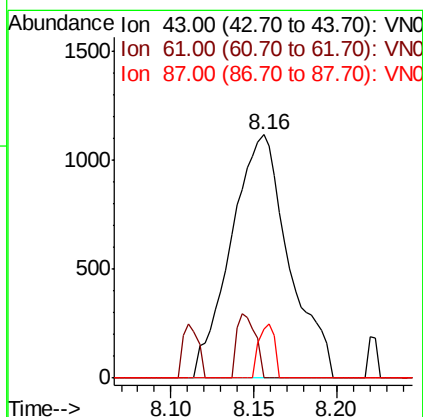
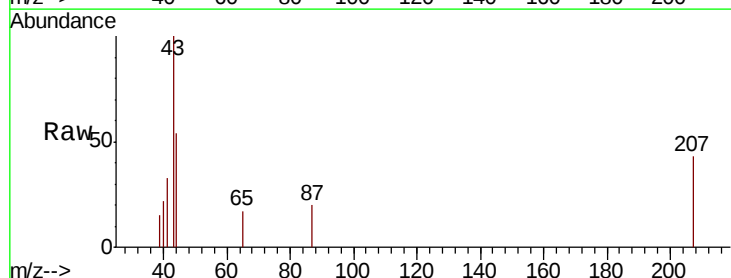
Tgt Ion: 43 Resp: 2712

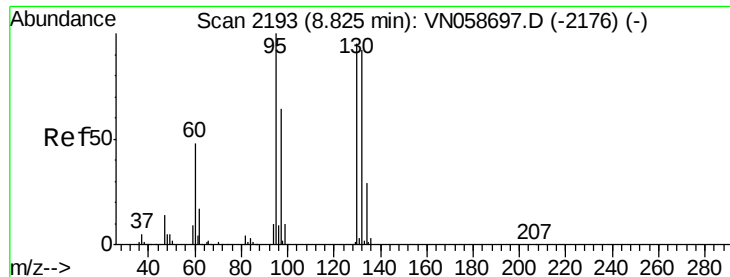
Ion Ratio Lower Upper

43 100

61 8.7 20.3 30.5#

87 5.9 9.8 14.6#





#44

Trichloroethene

Concen: 0.244 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

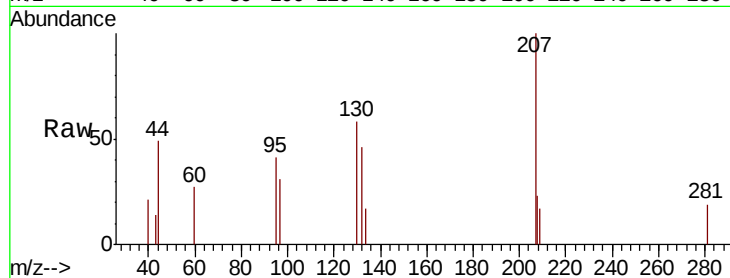
ClientSampleId :

Tot Ion:130 Resp: 1133

Ion Ratio Lower Upper

130 100

95 70.3 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO

800

600

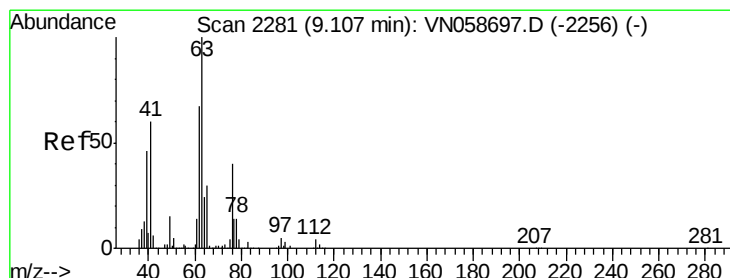
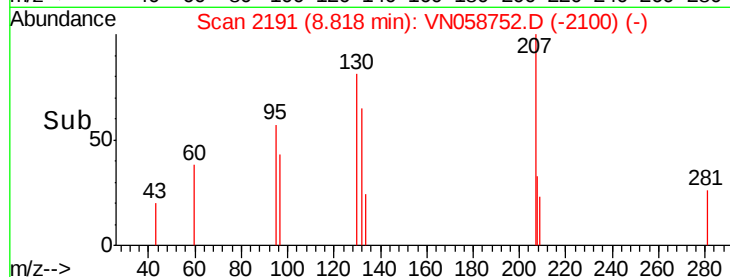
400

200

0

8.78 8.80 8.82 8.84 8.86

Time-->



#45

1,2-Dichloropropane

Concen: 0.219 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058752.D

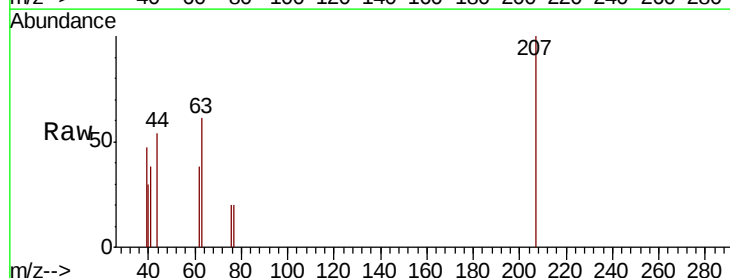
Acq: 14 Oct 2019 16:11

Tgt Ion: 63 Resp: 1100

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

600

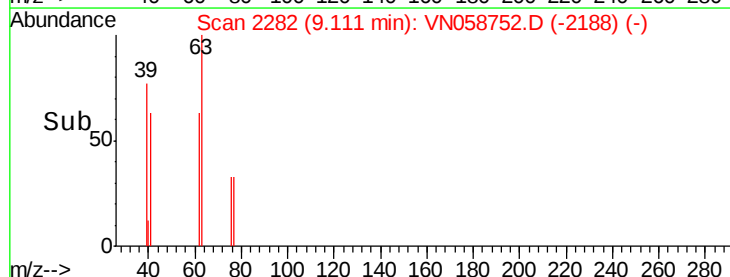
400

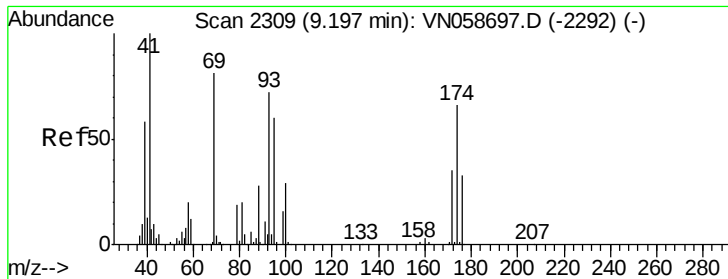
200

0

9.05 9.10 9.15

Time-->

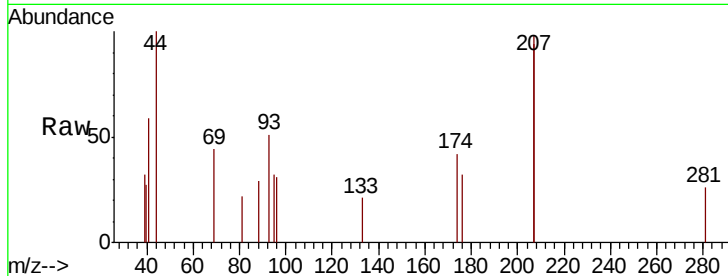




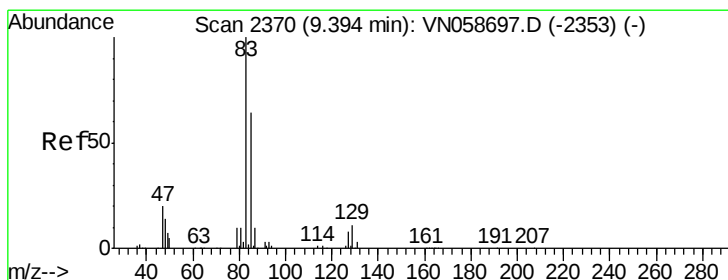
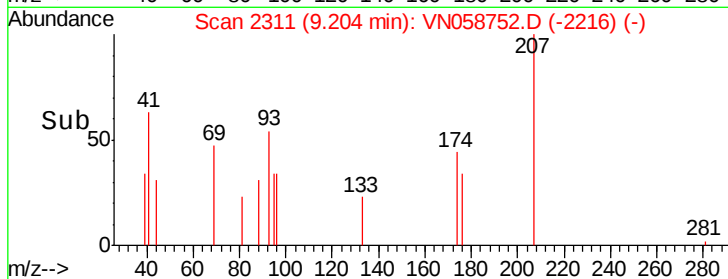
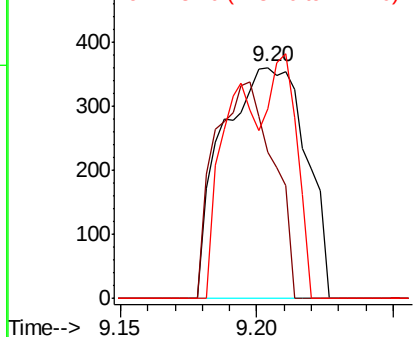
#46  
Dibromomethane  
Concen: 0.239 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.01 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 93 Resp: 759  
Ion Ratio Lower Upper  
93 100  
95 0.0 66.6 100.0#  
174 37.8 75.2 112.8#

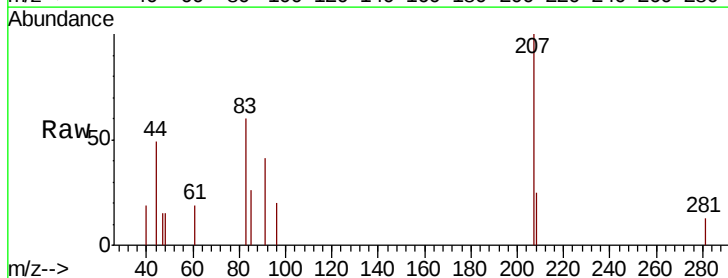


Abundance Ion 92.80 (92.50 to 93.50): VN0  
Ion 94.80 (94.50 to 95.50): VN0  
Ion 173.70 (173.40 to 174.40): V

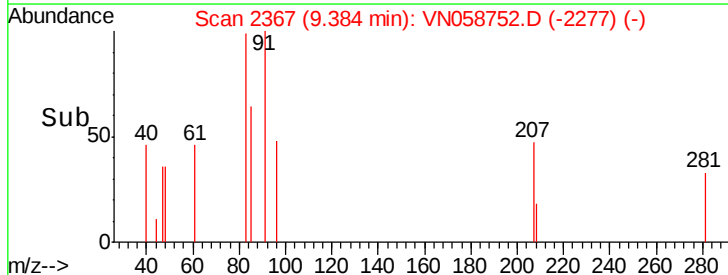
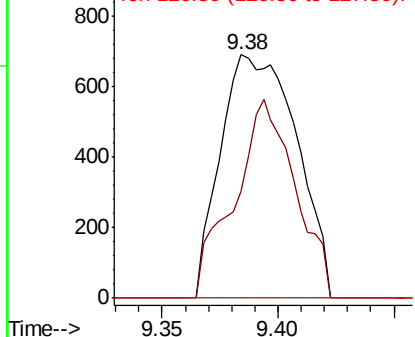


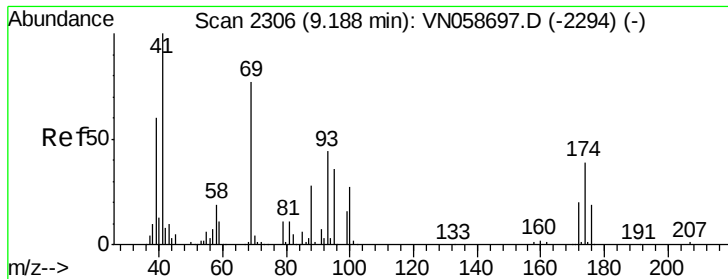
#47  
Bromodichloromethane  
Concen: 0.243 ug/l  
RT: 9.38 min Scan# 2367  
Delta R.T. -0.01 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion: 83 Resp: 1571  
Ion Ratio Lower Upper  
83 100  
85 43.7 50.9 76.3#  
127 0.0 6.3 9.5#



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

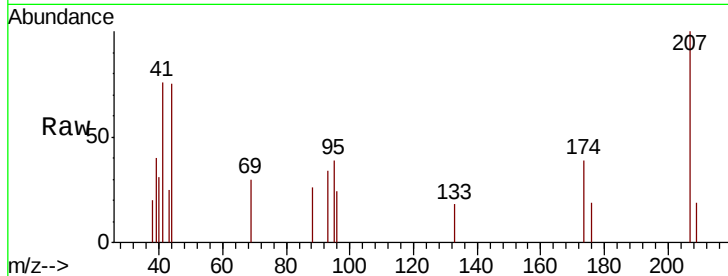




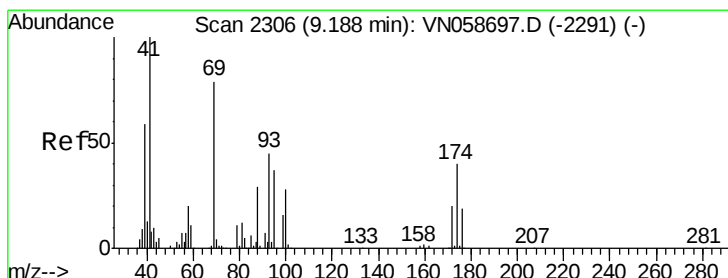
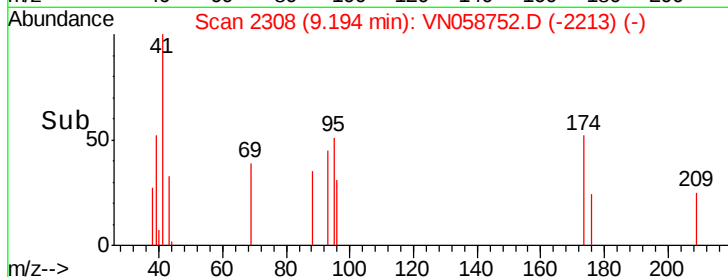
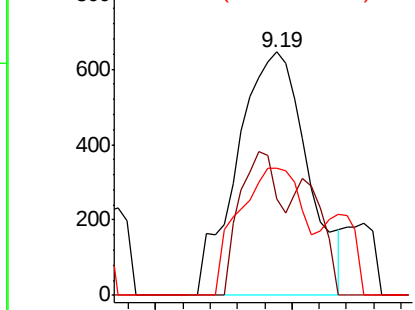
#48  
Methyl methacrylate  
Concen: 0.227 ug/l  
RT: 9.19 min Scan# 2308  
Delta R.T. 0.01 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 41 Resp: 1156  
Ion Ratio Lower Upper  
41 100  
69 33.7 63.4 95.2#  
39 47.6 48.9 73.3#

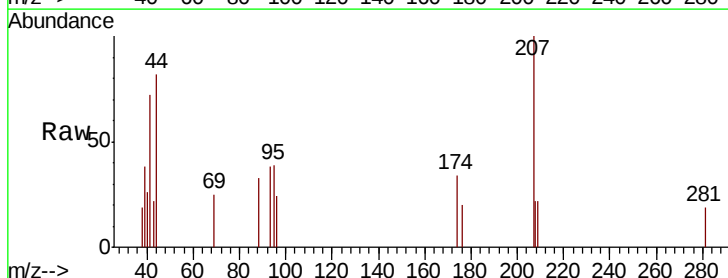


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

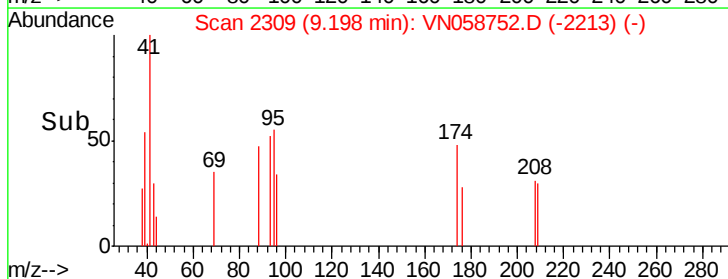
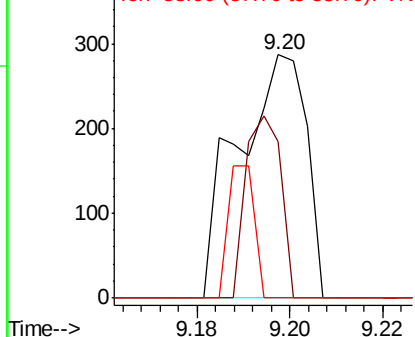


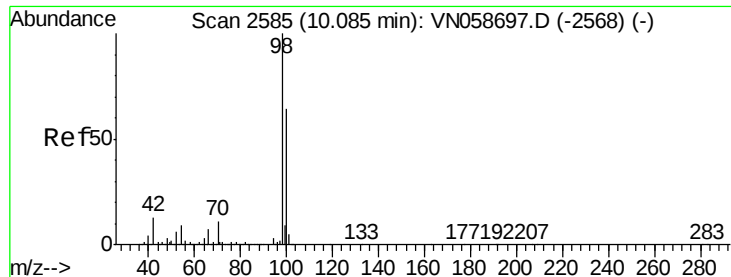
#49  
1,4-Dioxane  
Concen: 3.757 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.01 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion: 88 Resp: 296  
Ion Ratio Lower Upper  
88 100  
43 38.2 28.6 43.0  
58 20.3 57.2 85.8#



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





#50

Toluene-d8

Concen: 50.319 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

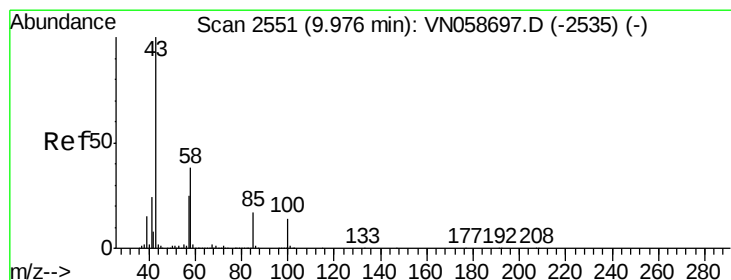
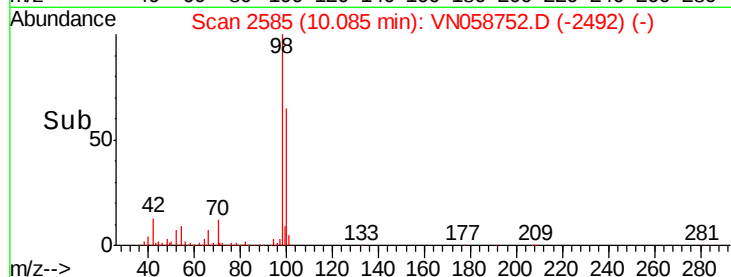
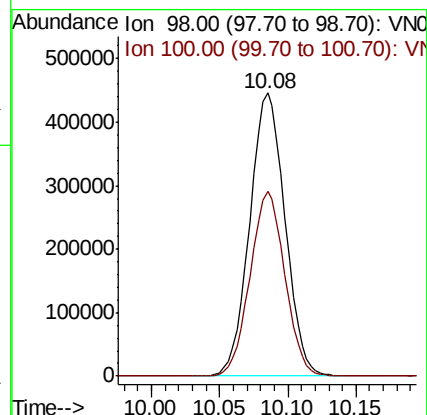
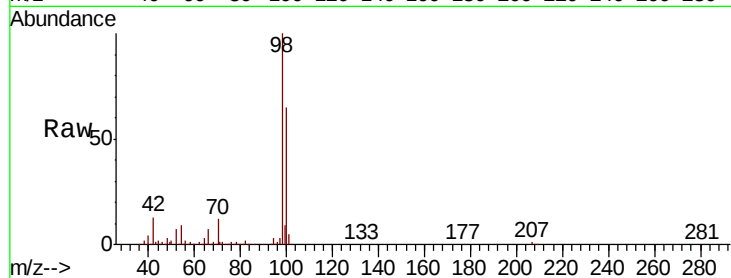
ClientSampled :

Tot Ion: 98 Resp: 801701

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058752.D

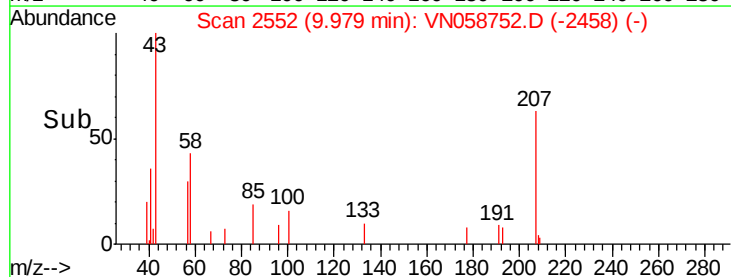
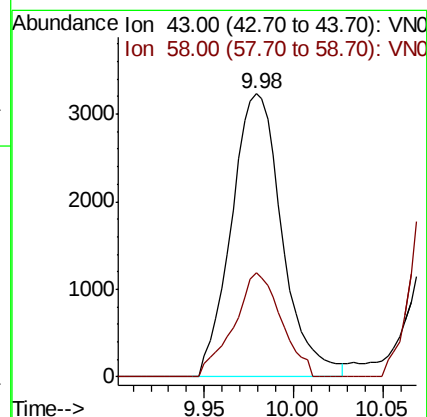
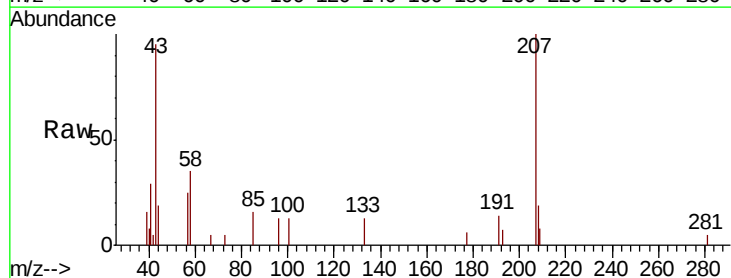
Acq: 14 Oct 2019 16:11

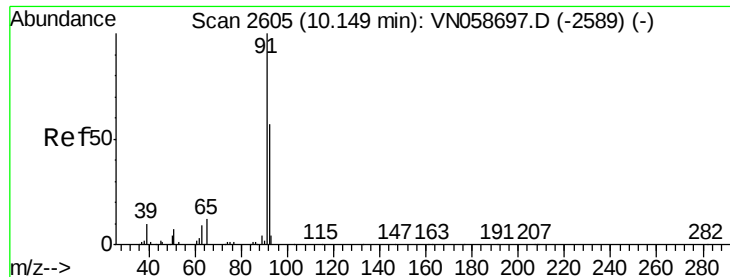
Tgt Ion: 43 Resp: 6420

Ion Ratio Lower Upper

43 100

58 34.4 30.3 45.5





#52

Toluene

Concen: 0.205 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

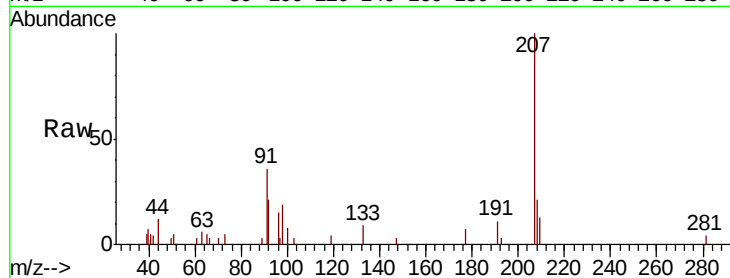
ClientSampled :

Tot Ion: 92 Resp: 2351

Ion Ratio Lower Upper

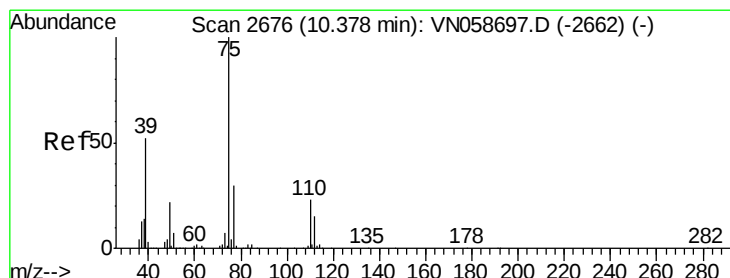
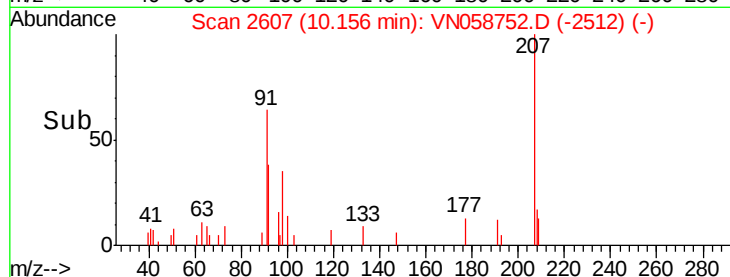
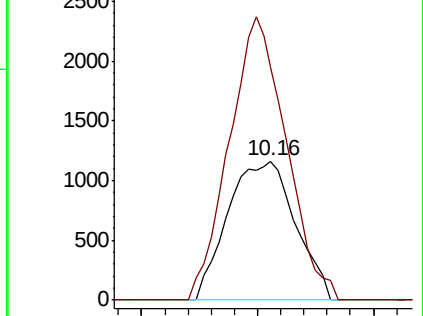
92 100

91 172.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.322 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058752.D

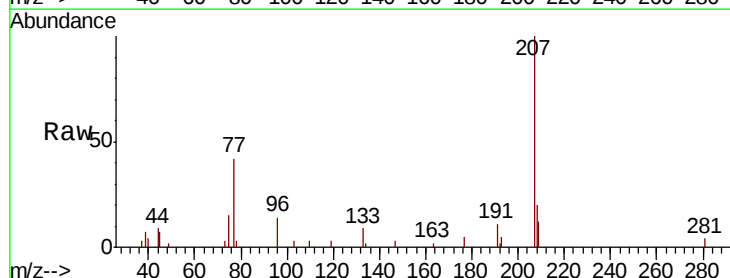
Acq: 14 Oct 2019 16:11

Tgt Ion: 75 Resp: 2392

Ion Ratio Lower Upper

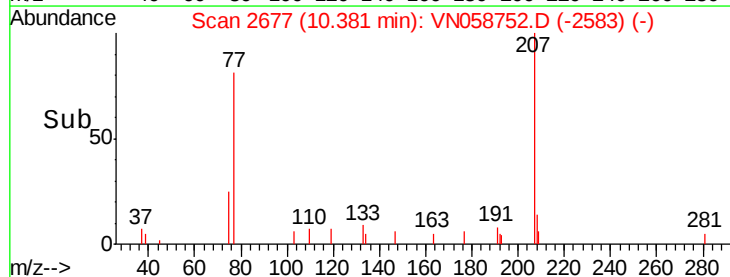
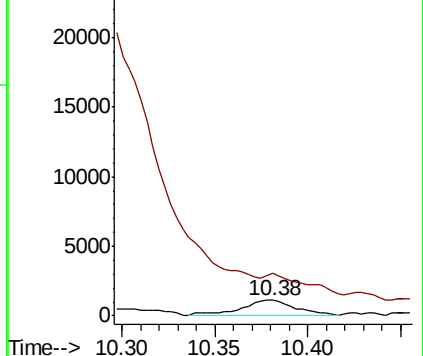
75 100

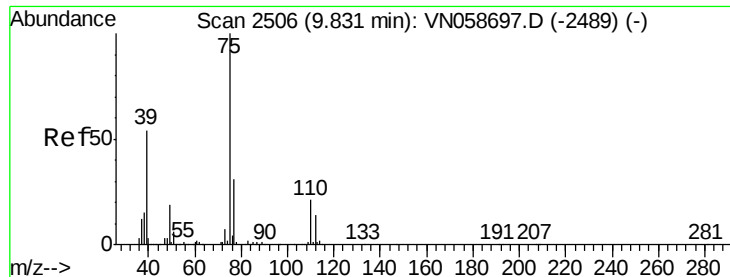
77 133.9 26.2 39.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



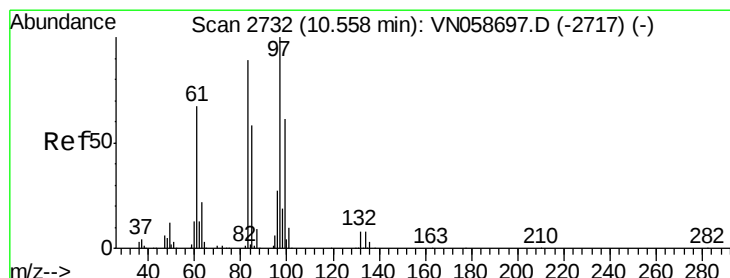
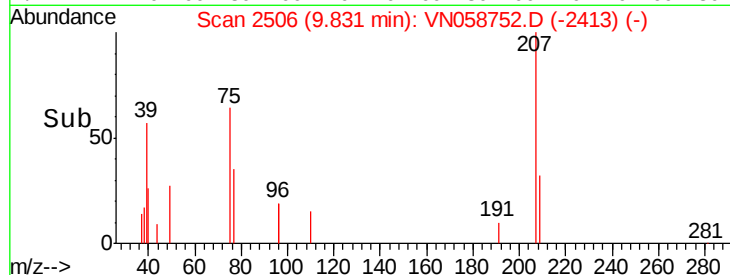
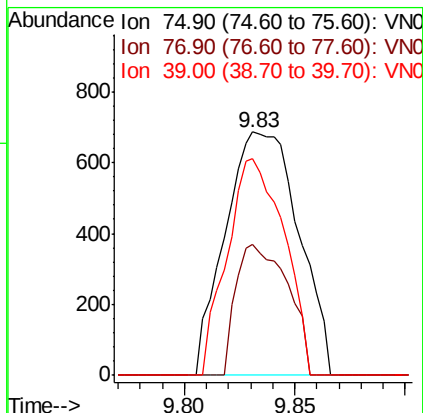
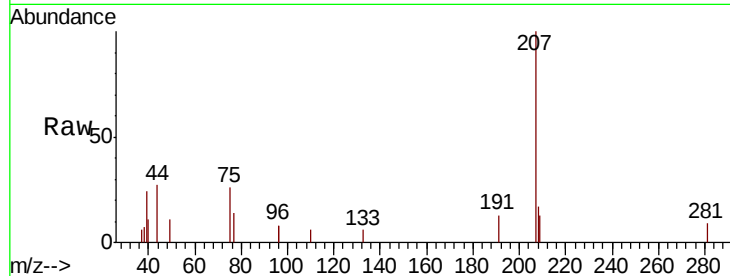


#54

cis-1,3-Dichloropropene  
 Concen: 0.201 ug/l  
 RT: 9.83 min Scan# 2506  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :

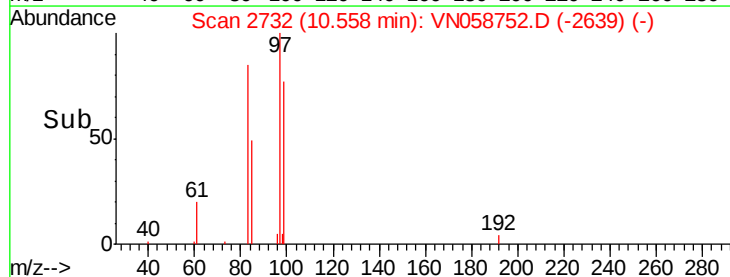
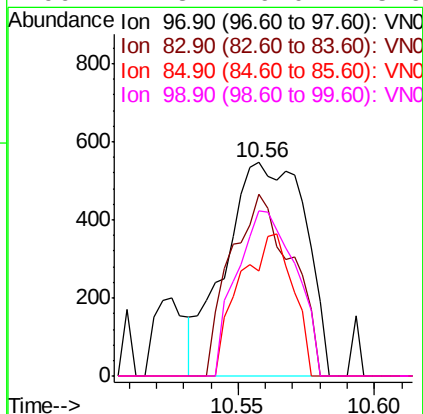
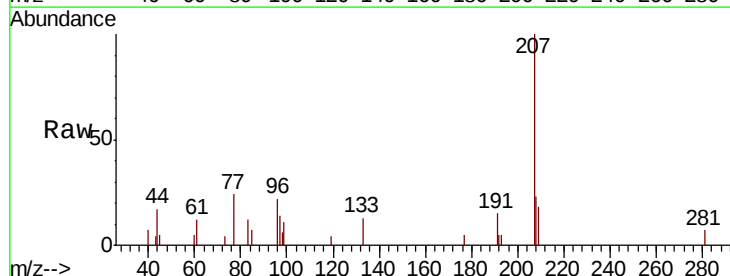
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 53.9  | 24.4  | 36.6# |
| 39      | 89.2  | 43.1  | 64.7# |

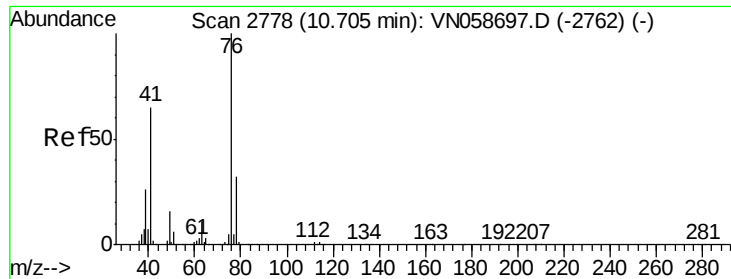


#55

1,1,2-Trichloroethane  
 Concen: 0.237 ug/l  
 RT: 10.56 min Scan# 2732  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.0  | 71.2  | 106.8 |
| 85      | 49.2  | 46.7  | 70.1  |
| 99      | 77.3  | 49.0  | 73.6# |





#57

1,3-Dichloropropane

Concen: 0.243 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

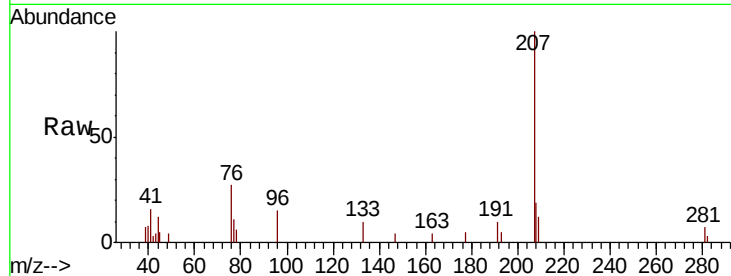
ClientSampled :

Tot Ion: 76 Resp: 1940

Ion Ratio Lower Upper

76 100

78 28.7 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

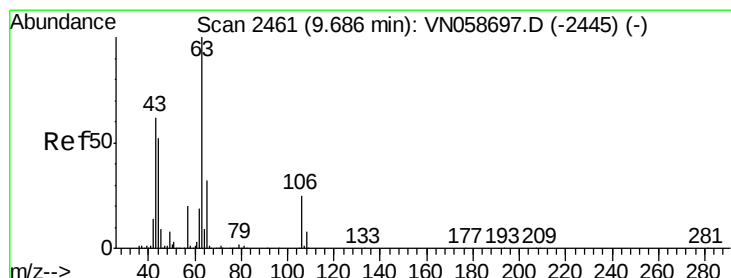
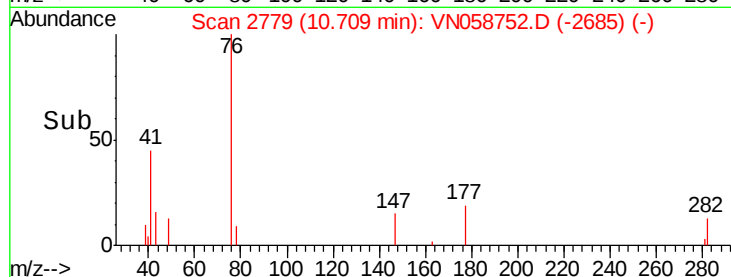
10.71

1000

500

0

Time--> 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 0.776 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058752.D

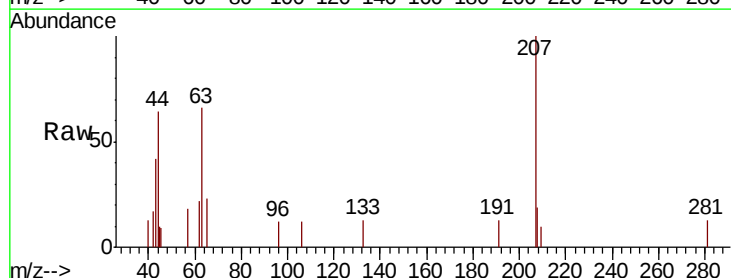
Acq: 14 Oct 2019 16:11

Tgt Ion: 63 Resp: 2561

Ion Ratio Lower Upper

63 100

106 17.2 20.0 30.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

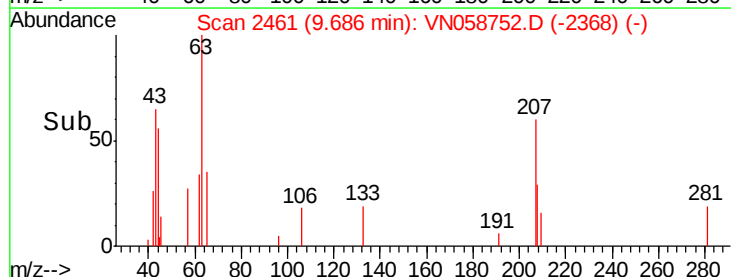
1500

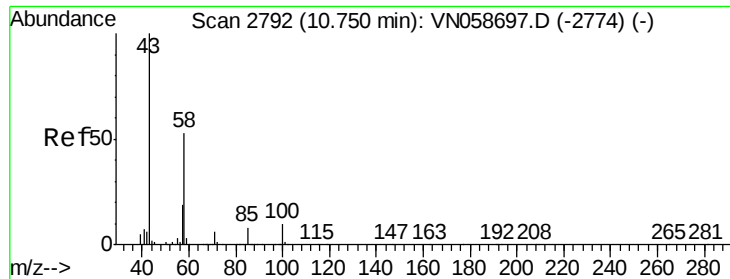
1000

500

0

Time--> 9.65 9.70 9.75

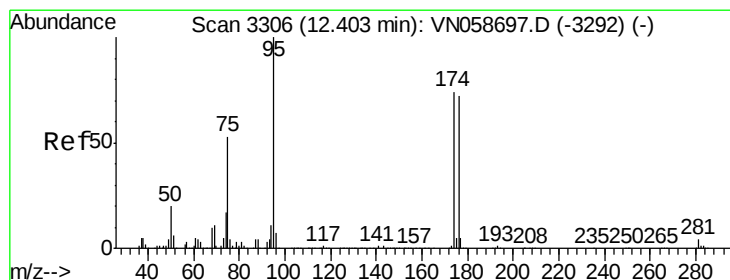
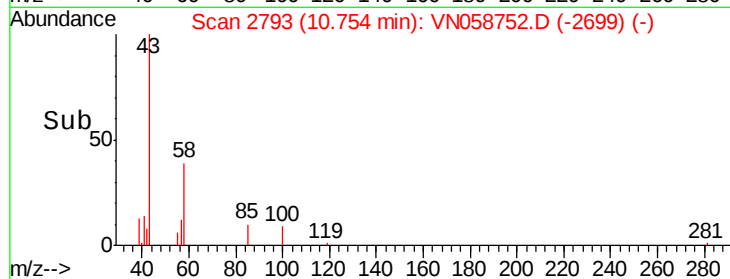
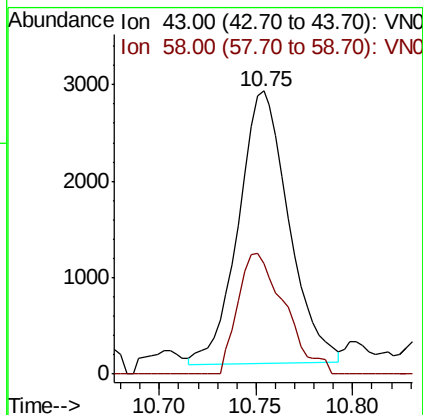
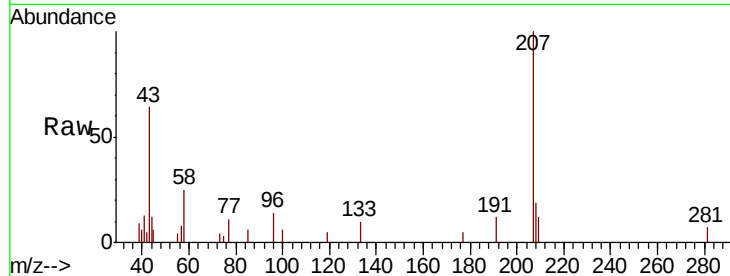




#59  
2-Hexanone  
Concen: 1.051 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

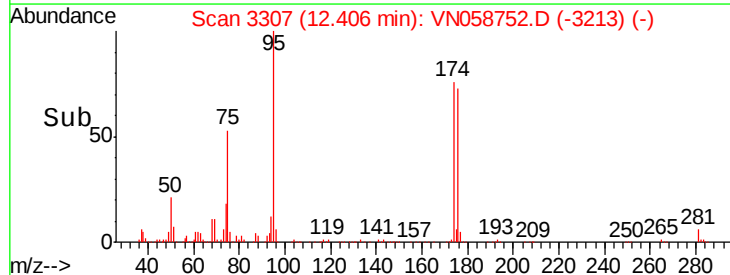
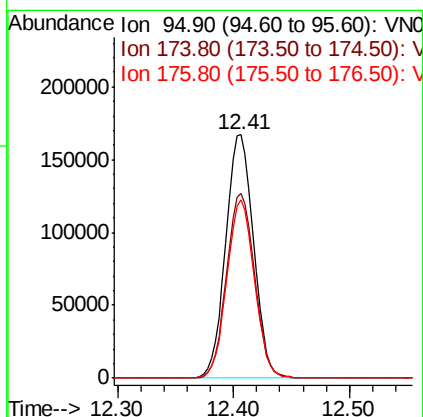
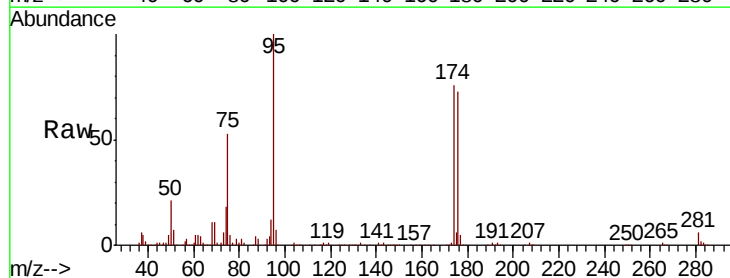
Instrument :  
MSVOA\_N  
ClientSampleId :

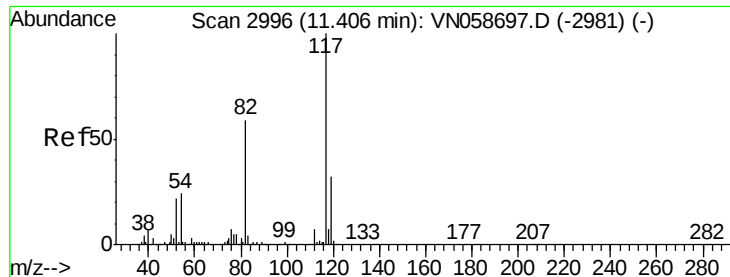
Tot Ion: 43 Resp: 5125  
Ion Ratio Lower Upper  
43 100  
58 41.2 26.1 78.3



#62  
4-Bromofluorobenzene  
Concen: 45.879 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion: 95 Resp: 276688  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 150.4  
176 72.6 0.0 146.8

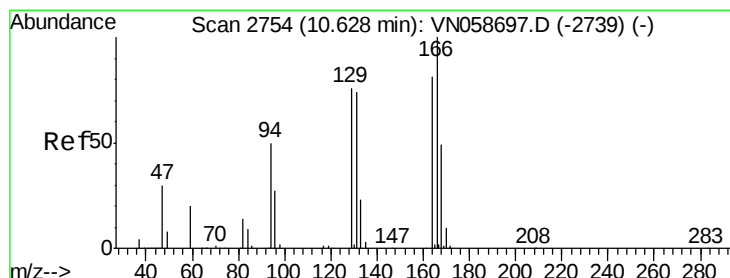
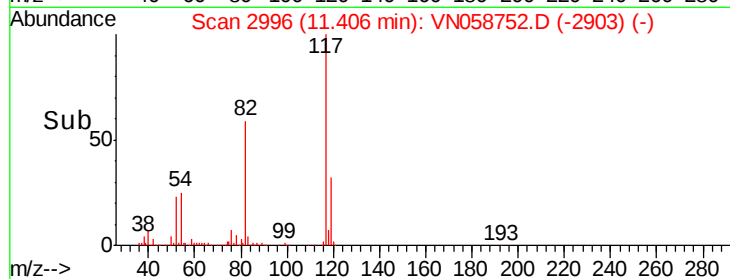
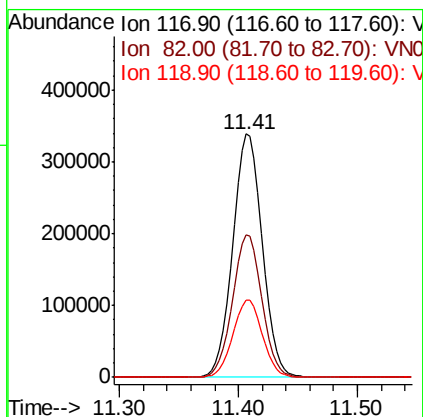
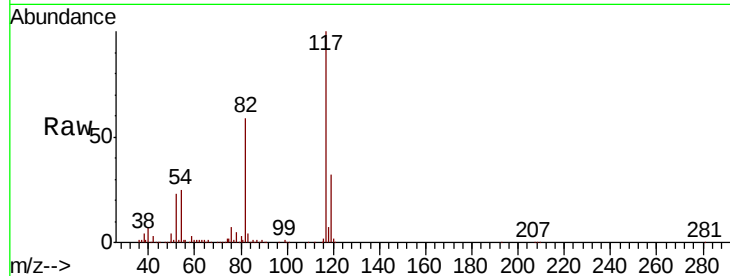




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

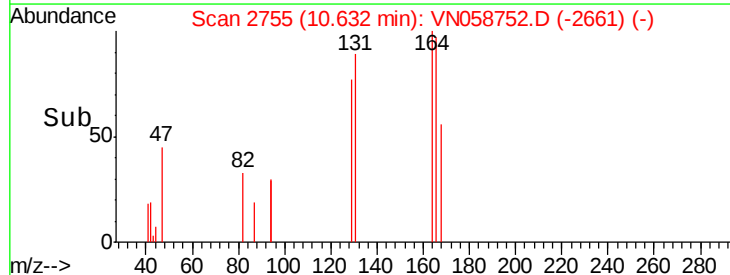
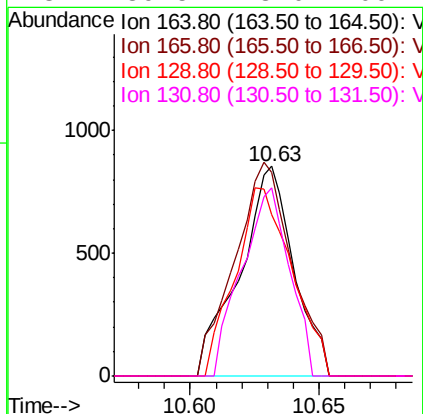
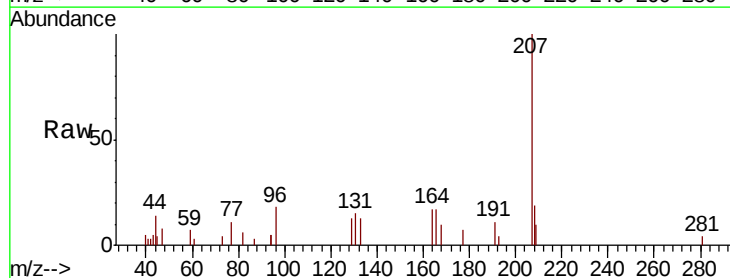
Instrument :  
MSVOA\_N  
ClientSampled :

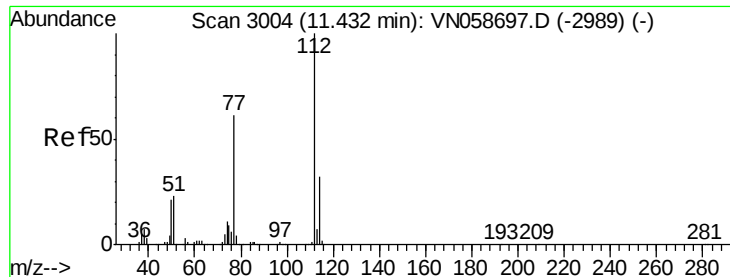
Tot Ion:117 Resp: 583200  
Ion Ratio Lower Upper  
117 100  
82 58.8 47.0 70.4  
119 31.6 25.4 38.2



#64  
Tetrachloroethene  
Concen: 0.308 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion:164 Resp: 1256  
Ion Ratio Lower Upper  
164 100  
166 97.3 99.3 148.9#  
129 76.8 75.2 112.8  
131 89.5 73.0 109.4

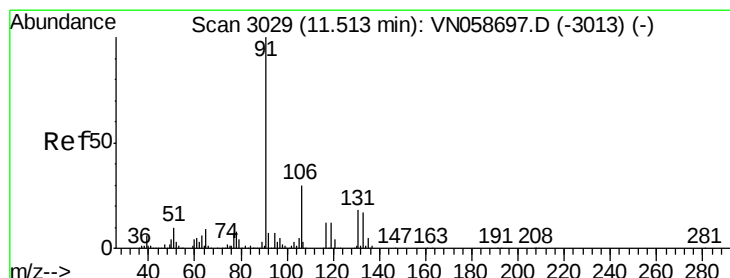
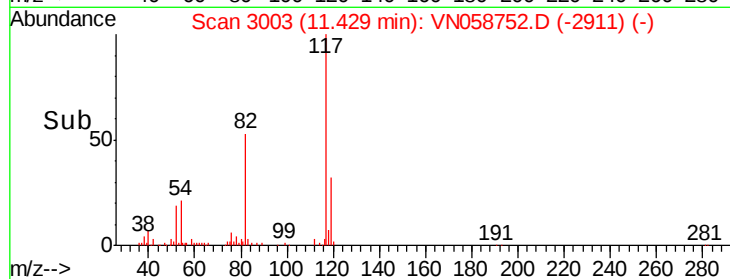
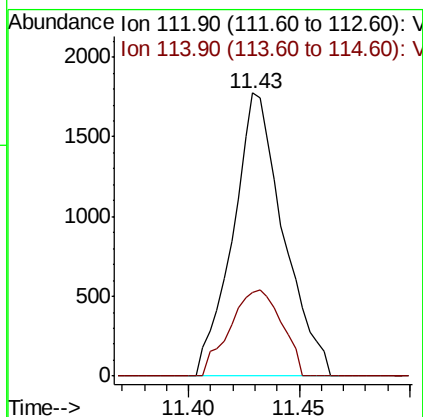
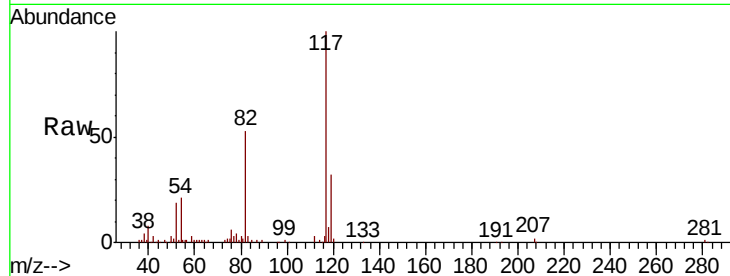




#65  
Chlorobenzene  
Concen: 0.238 ug/l  
RT: 11.43 min Scan# 3003  
Delta R.T. -0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

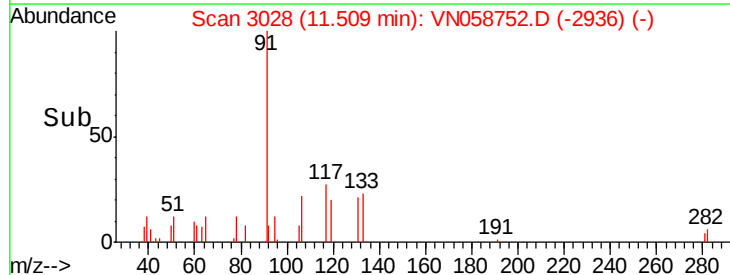
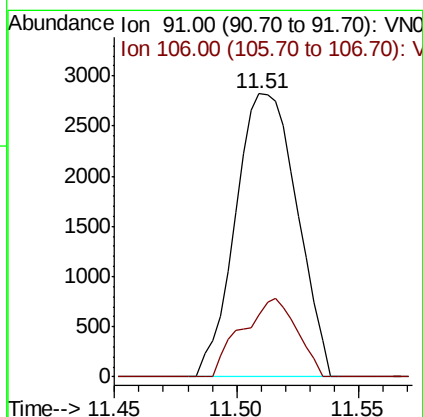
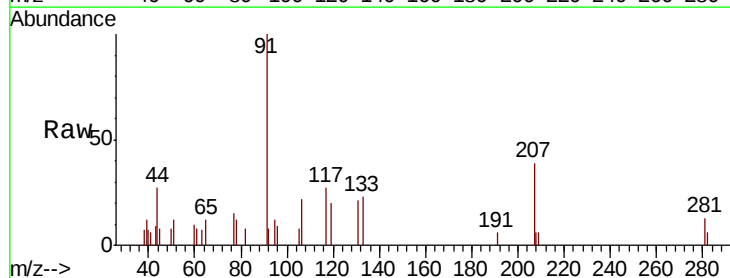
Instrument :  
MSVOA\_N  
ClientSampled :

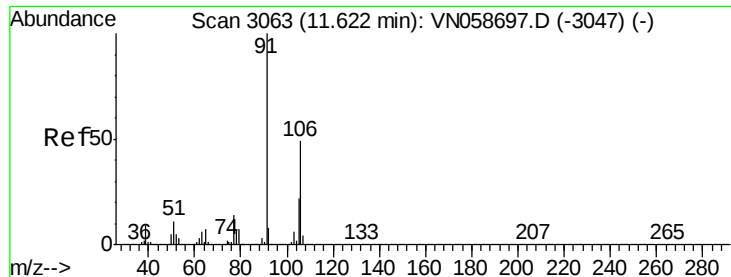
Tot Ion:112 Resp: 2817  
Ion Ratio Lower Upper  
112 100  
114 29.4 25.2 37.8



#67  
Ethyl Benzene  
Concen: 0.234 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion: 91 Resp: 4938  
Ion Ratio Lower Upper  
91 100  
106 21.8 24.1 36.1#

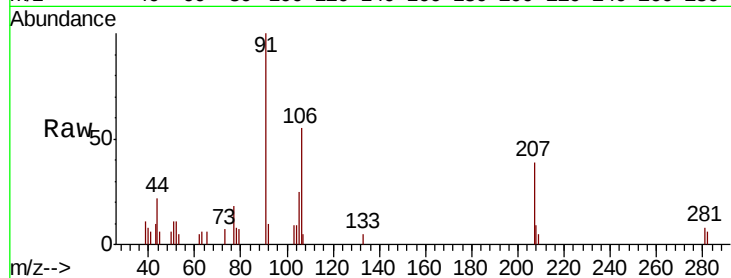




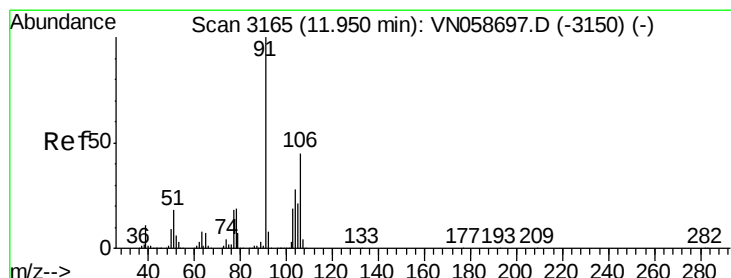
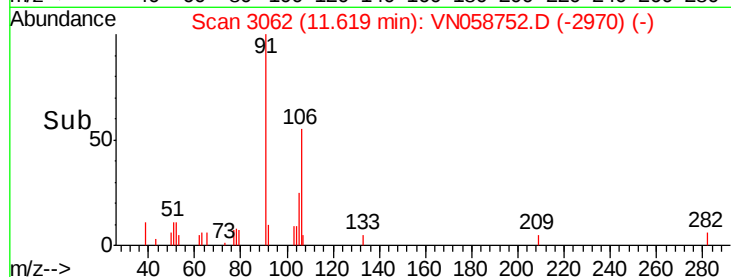
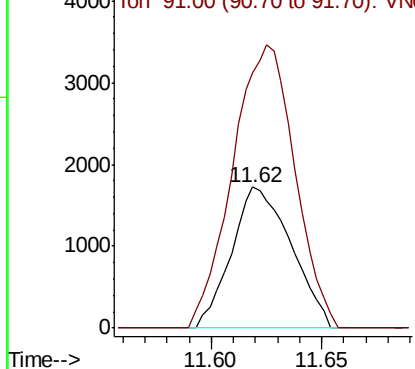
#68  
m/p-Xylenes  
Concen: 0.409 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:106 Resp: 3242  
Ion Ratio Lower Upper  
106 100  
91 208.7 165.7 248.5

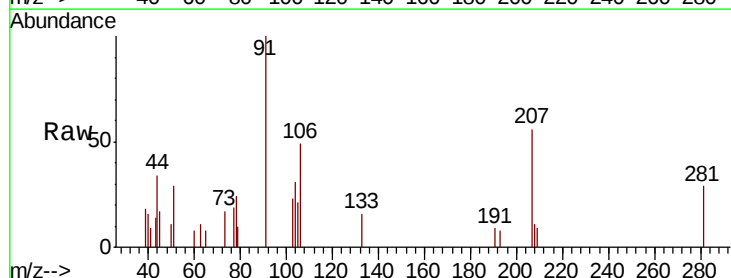


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

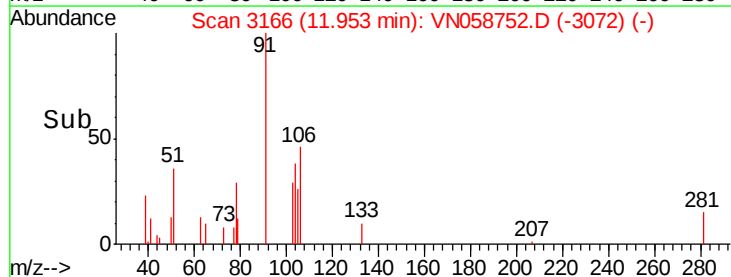
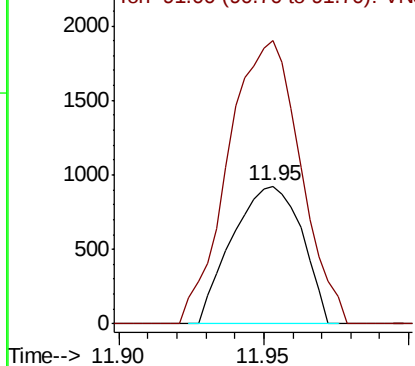


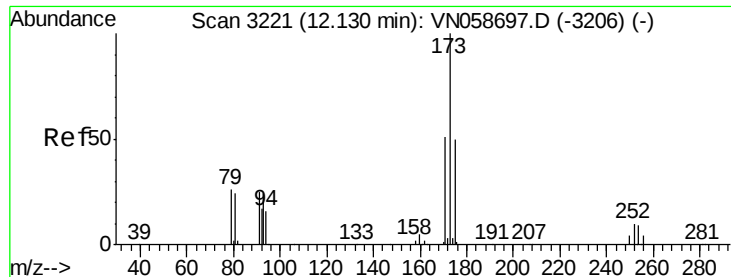
#69  
o-Xylene  
Concen: 0.201 ug/l  
RT: 11.95 min Scan# 3166  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion:106 Resp: 1544  
Ion Ratio Lower Upper  
106 100  
91 212.9 110.9 332.9



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.206 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

ClientSampled :

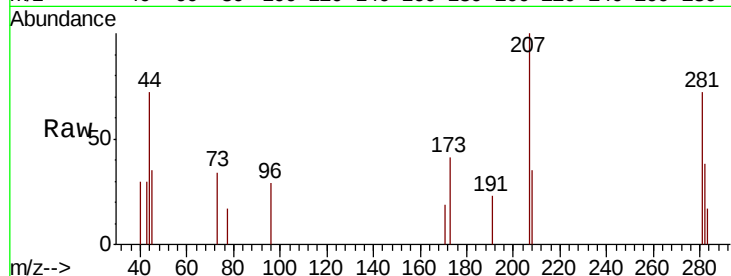
Tot Ion:173 Resp: 660

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

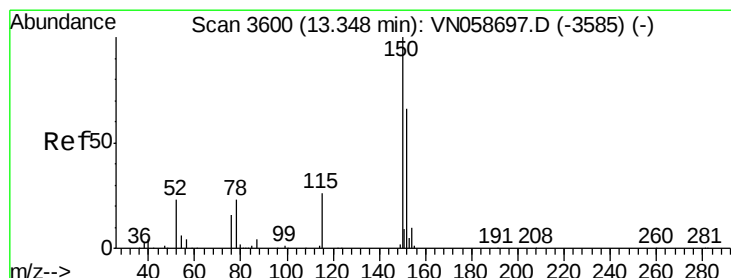
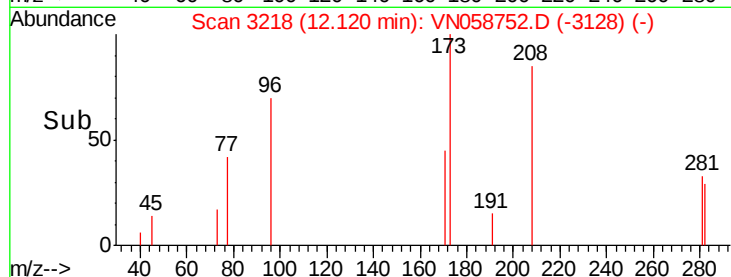
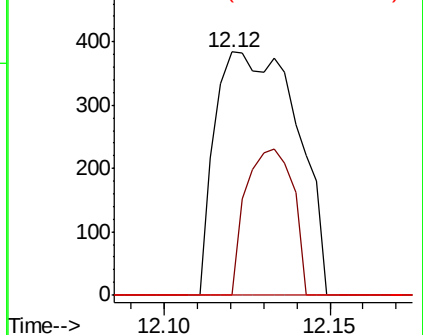
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

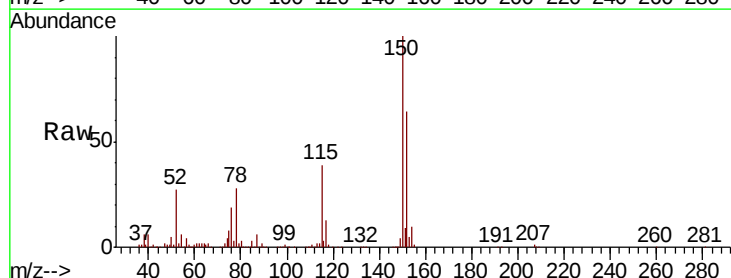
Tgt Ion:152 Resp: 244221

Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.2

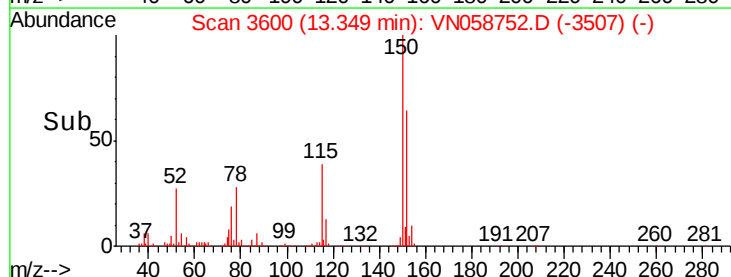
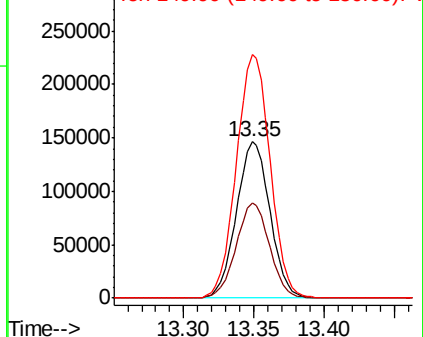
150 156.7 0.0 345.4

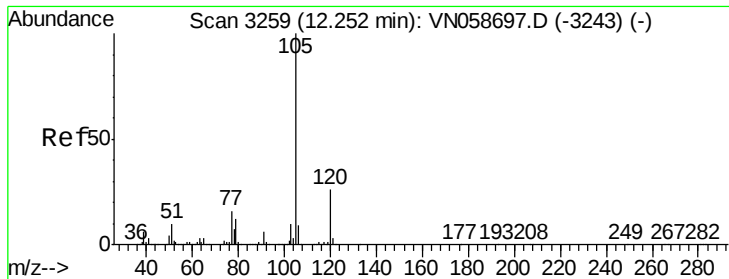


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.225 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

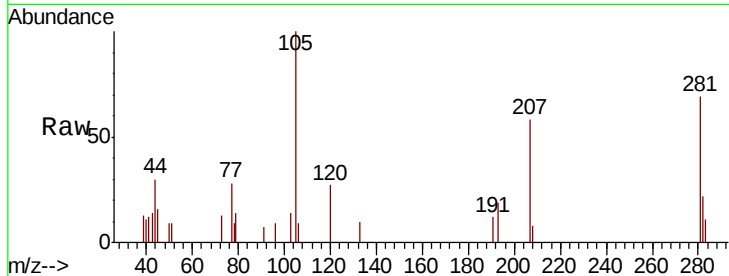
ClientSampled :

Tot Ion: 105 Resp: 3988

Ion Ratio Lower Upper

105 100

120 22.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

2000

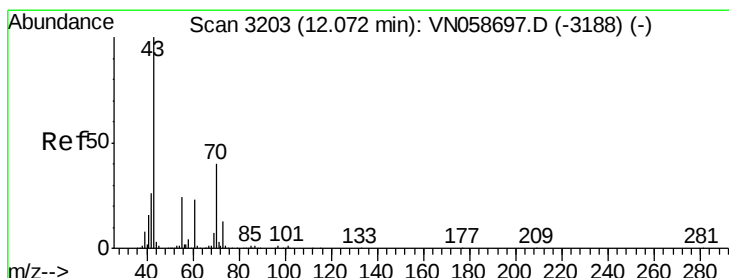
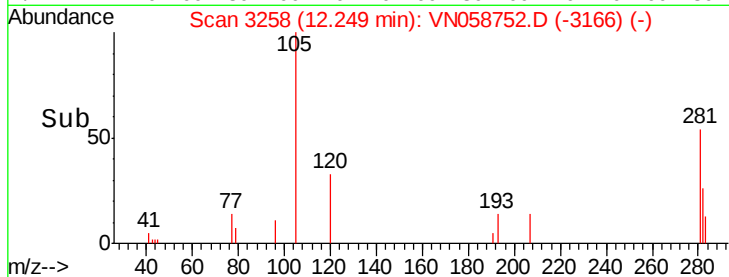
1500

1000

500

0

Time--> 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 0.207 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion: 43 Resp: 1648

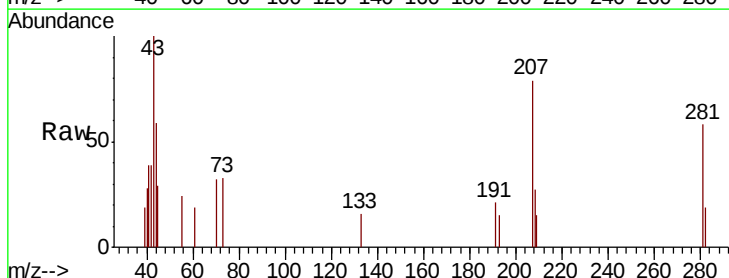
Ion Ratio Lower Upper

43 100

70 34.6 32.2 48.4

55 23.8 19.6 29.4

61 17.6 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

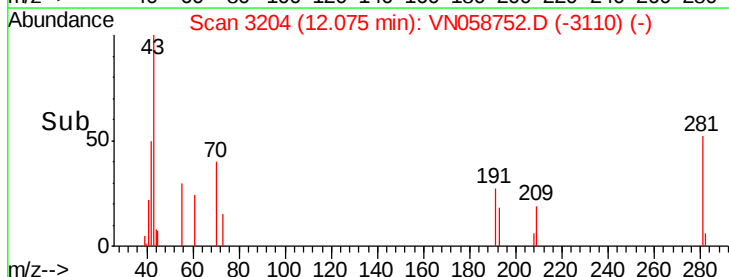
1500

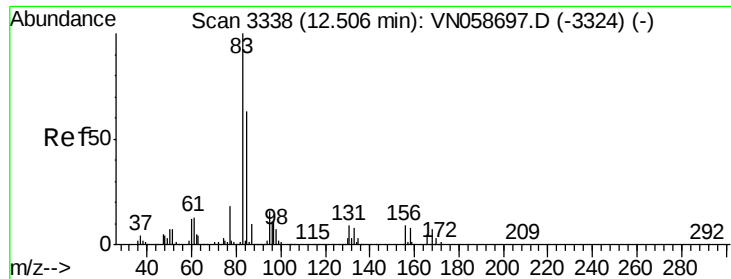
1000

500

0

Time--> 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 0.267 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

ClientSampleId :

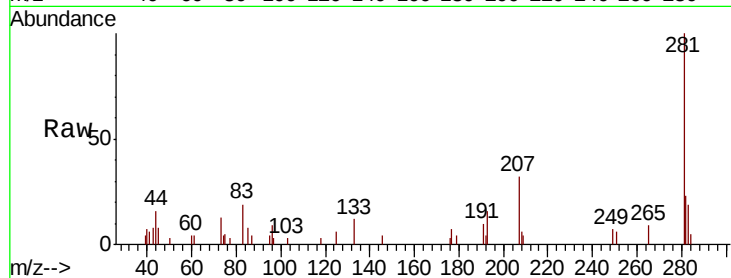
Tot Ion: 83 Resp: 1553

Ion Ratio Lower Upper

83 100

131 7.6 4.8 14.4

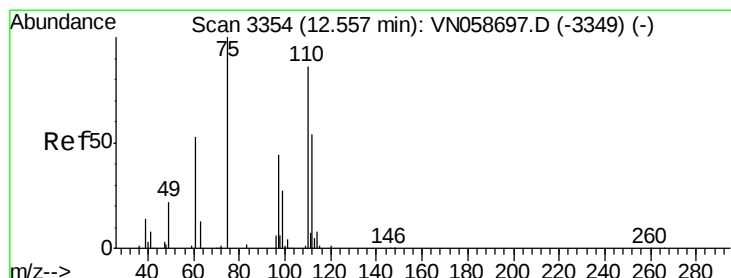
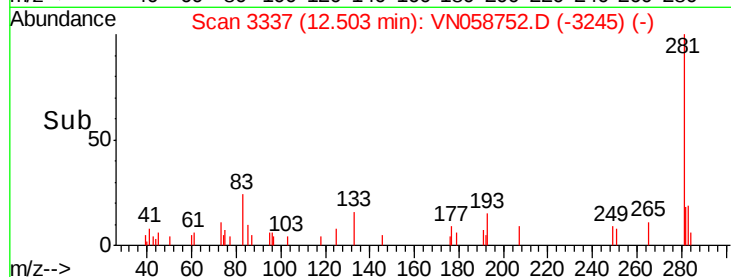
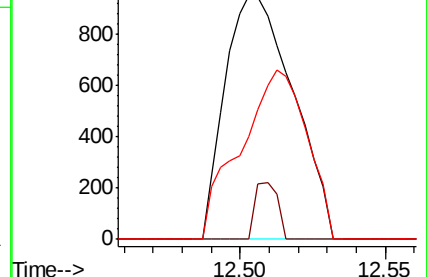
85 67.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.920 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058752.D

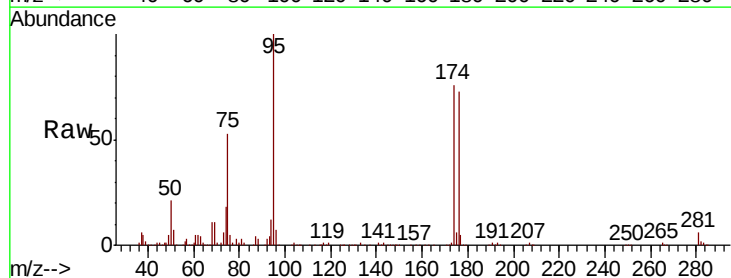
Acq: 14 Oct 2019 16:11

Tgt Ion: 75 Resp: 149585

Ion Ratio Lower Upper

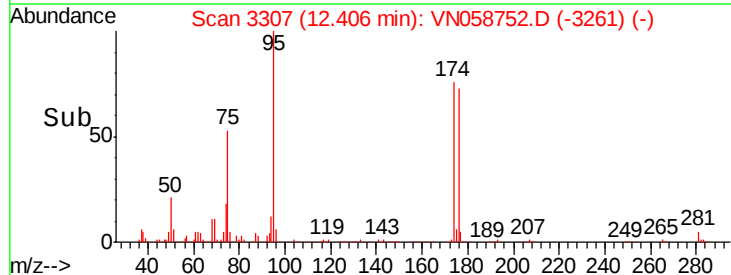
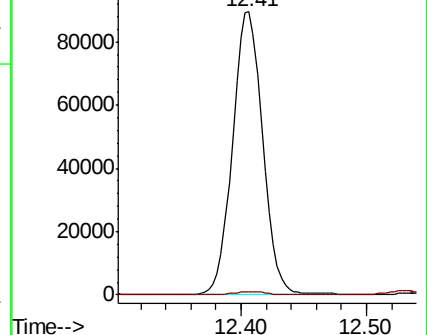
75 100

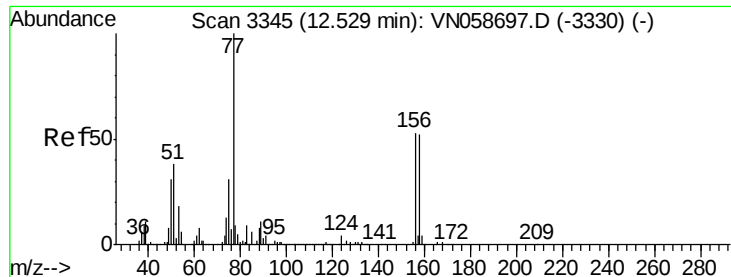
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.236 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

ClientSampleId :

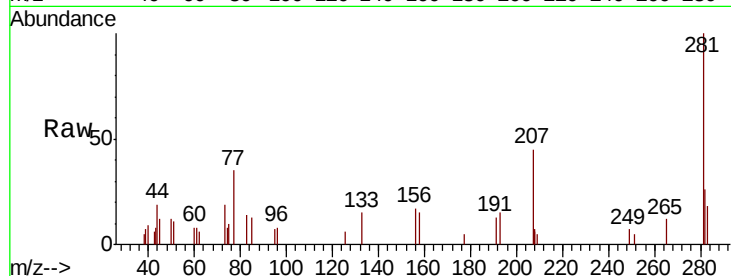
Tot Ion:156 Resp: 1014

Ion Ratio Lower Upper

156 100

77 325.5 115.8 347.3

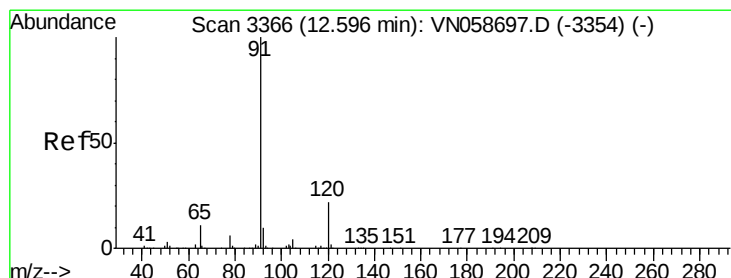
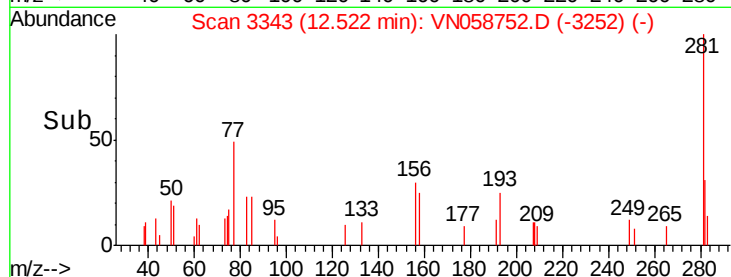
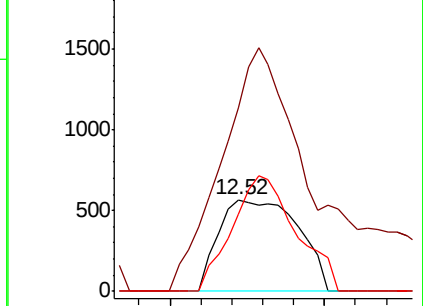
158 101.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.230 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058752.D

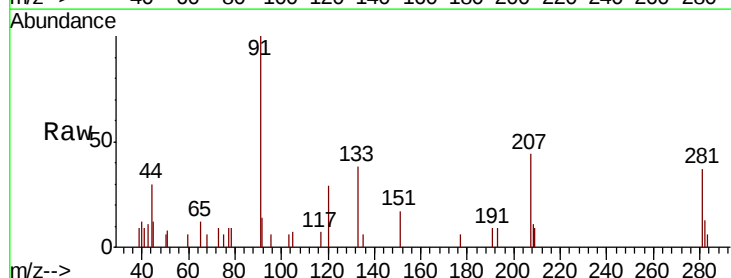
Acq: 14 Oct 2019 16:11

Tgt Ion: 91 Resp: 4745

Ion Ratio Lower Upper

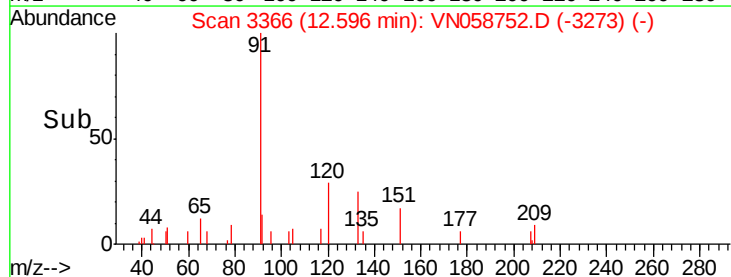
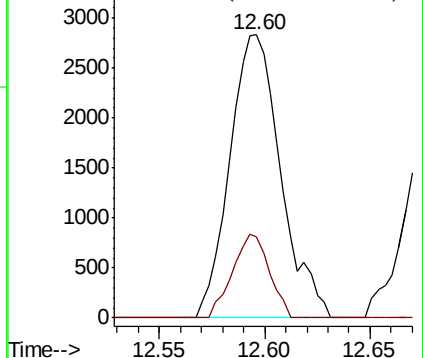
91 100

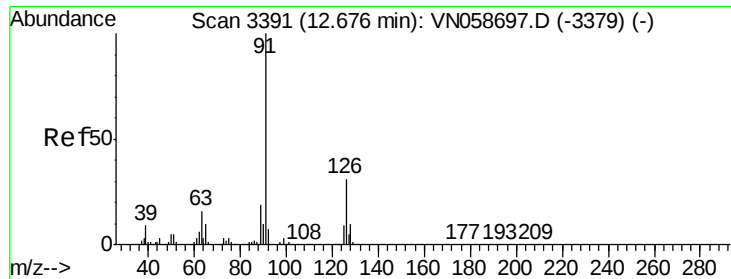
120 21.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

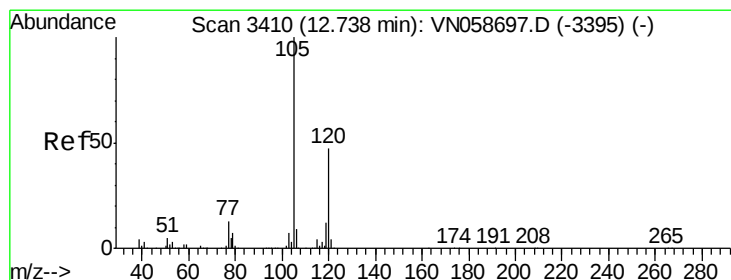
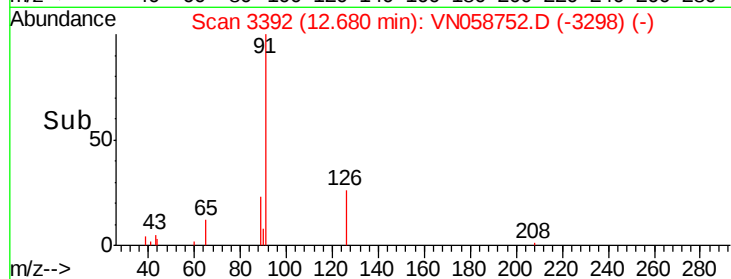
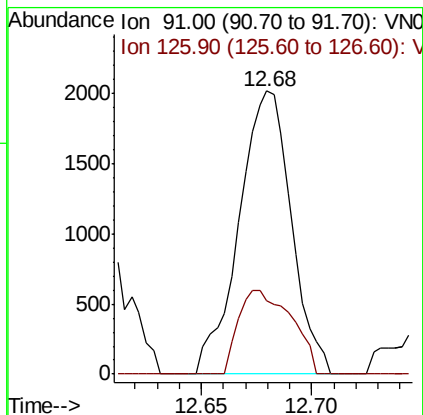
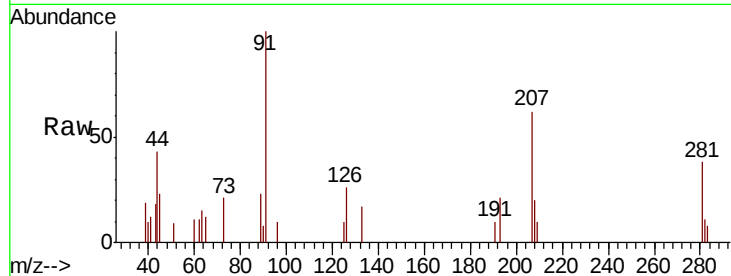




#79  
 2-Chlorotoluene  
 Concen: 0.259 ug/l  
 RT: 12.68 min Scan# 3392  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

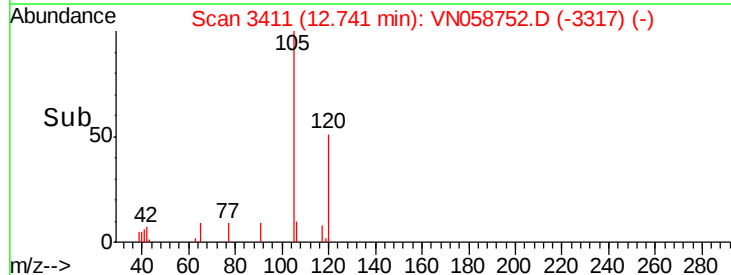
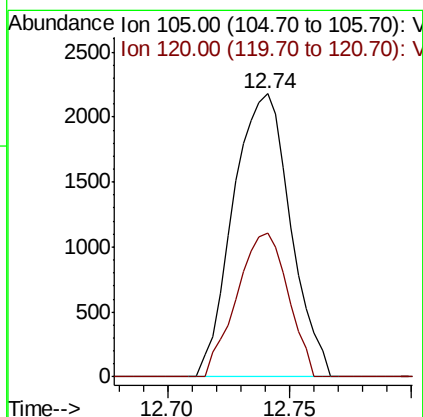
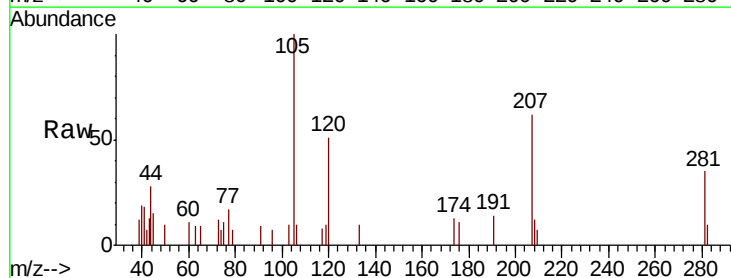
Instrument :  
 MSVOA\_N  
 ClientSampled :

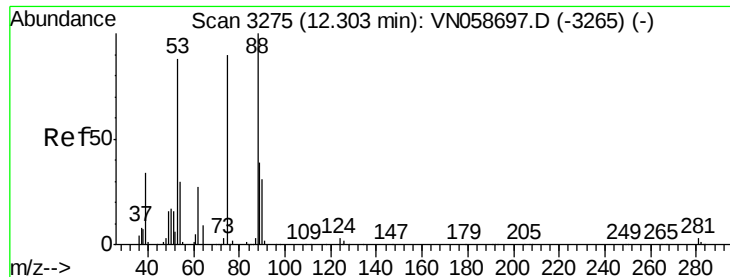
Tot Ion: 91 Resp: 3318  
 Ion Ratio Lower Upper  
 91 100  
 126 30.0 16.2 48.5



#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.235 ug/l  
 RT: 12.74 min Scan# 3411  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Tgt Ion: 105 Resp: 3550  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 74.789 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

ClientSampled :

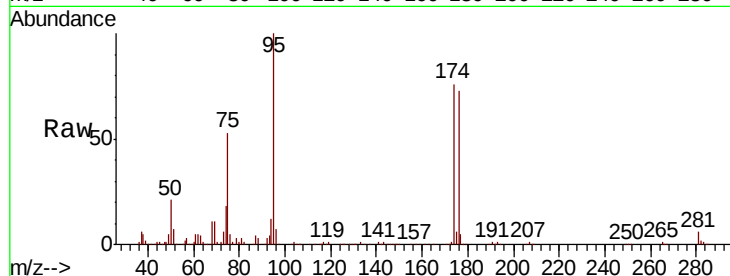
Tot Ion: 75 Resp: 149585

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

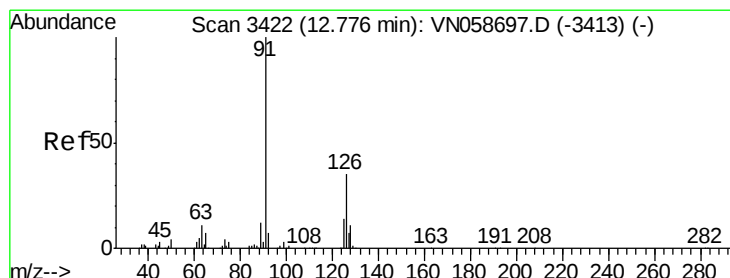
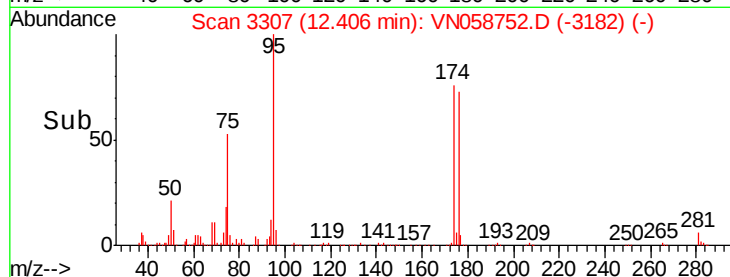
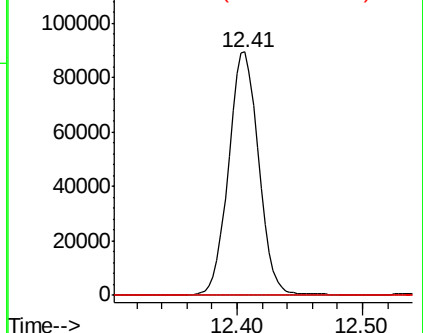
89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.244 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058752.D

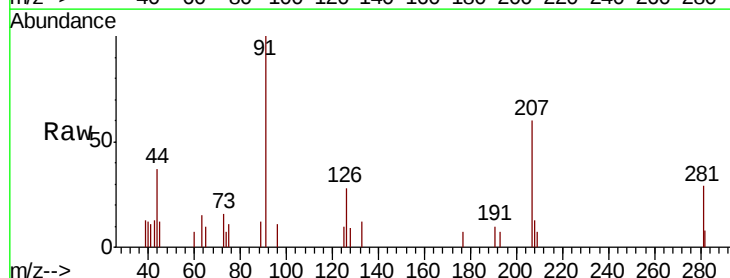
Acq: 14 Oct 2019 16:11

Tgt Ion: 91 Resp: 3205

Ion Ratio Lower Upper

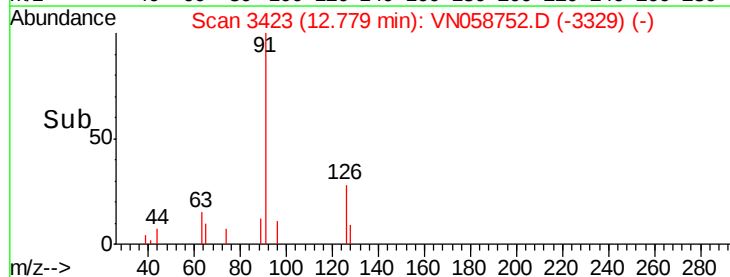
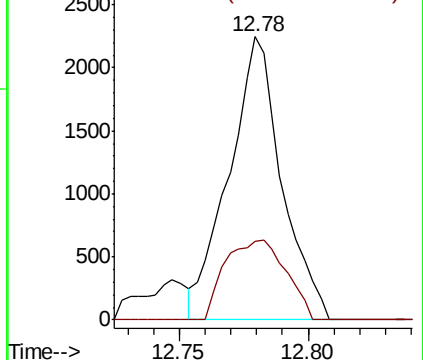
91 100

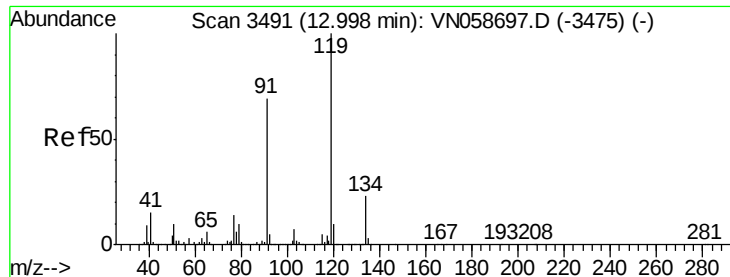
126 32.4 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

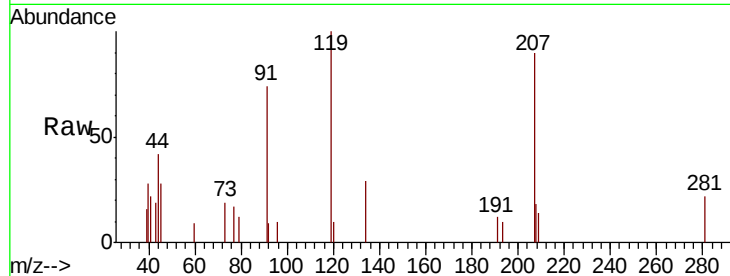




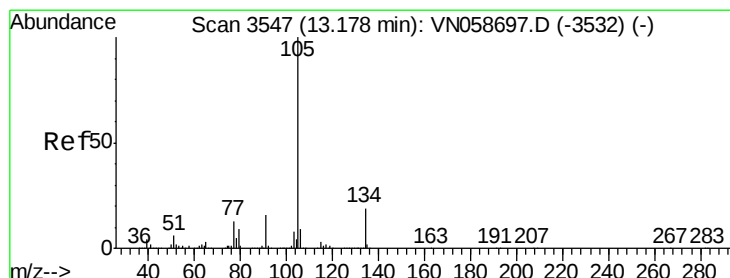
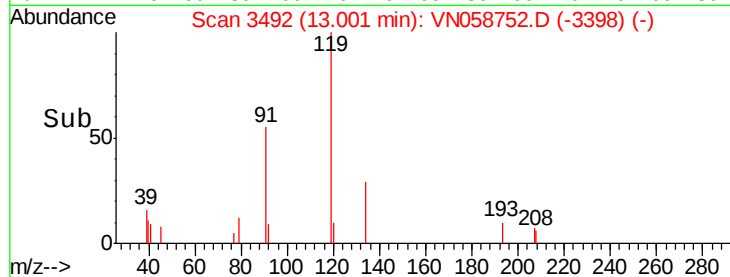
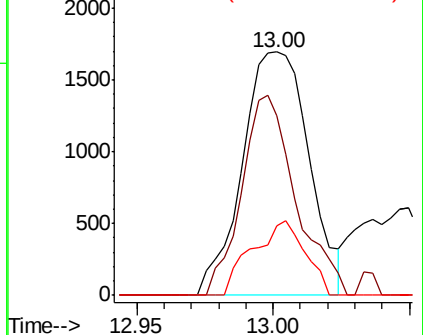
#83  
tert-Butylbenzene  
Concen: 0.223 ug/l  
RT: 13.00 min Scan# 3492  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:119 Resp: 2885  
Ion Ratio Lower Upper  
119 100  
91 66.2 33.8 101.3  
134 24.3 12.6 37.6

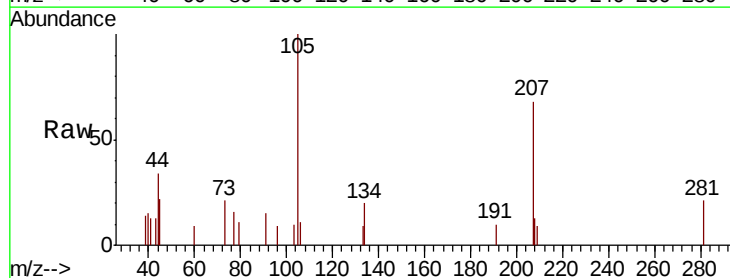


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

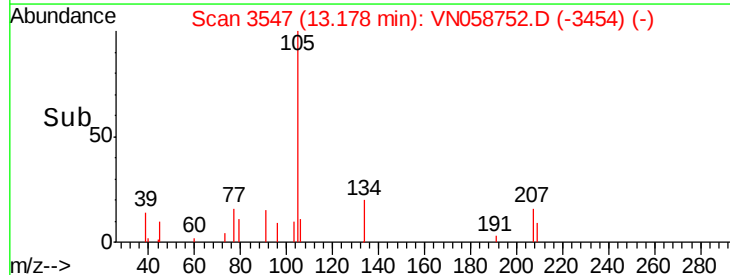
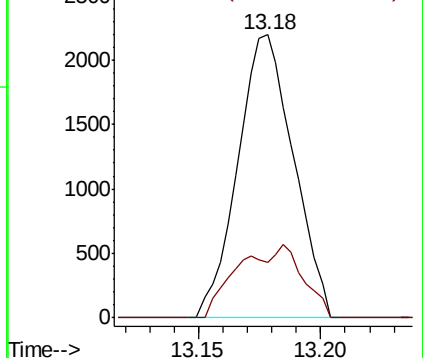


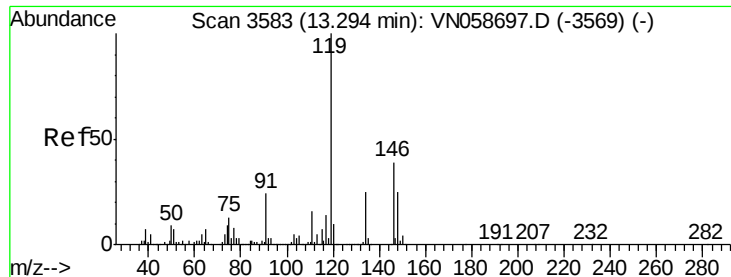
#85  
sec-Butylbenzene  
Concen: 0.204 ug/l  
RT: 13.18 min Scan# 3547  
Delta R.T. 0.00 min  
Lab File: VN058752.D  
Acq: 14 Oct 2019 16:11

Tgt Ion:105 Resp: 3470  
Ion Ratio Lower Upper  
105 100  
134 14.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V

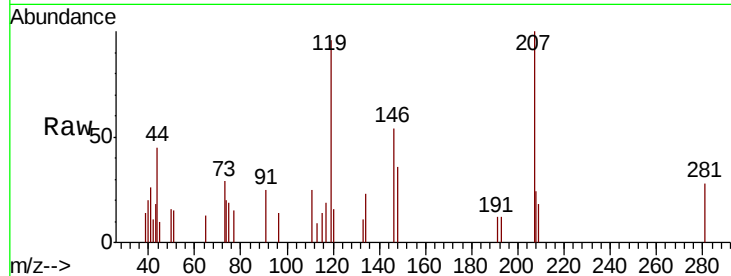




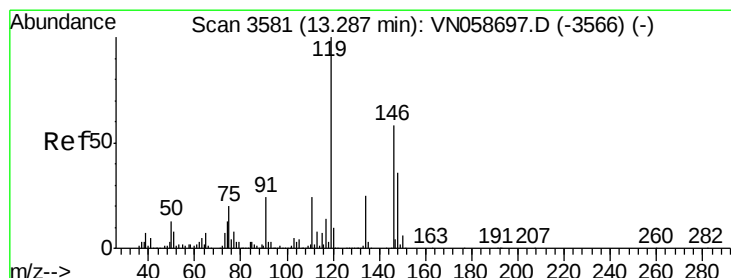
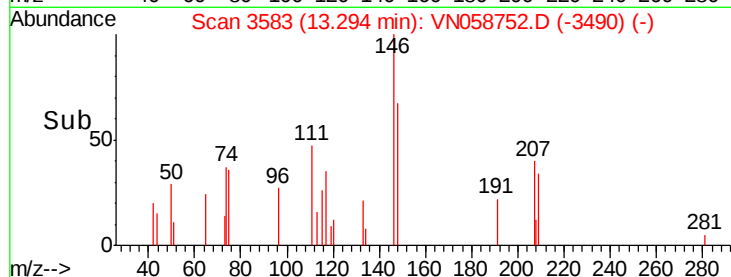
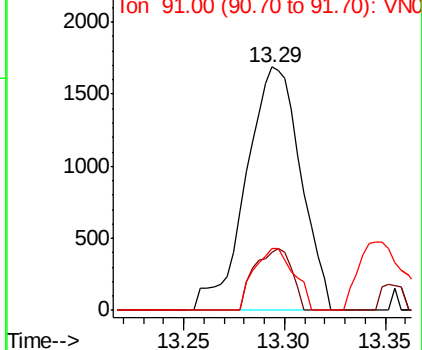
#86  
 p-Isopropyltoluene  
 Concen: 0.205 ug/l  
 RT: 13.29 min Scan# 3583  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:119 Resp: 3178  
 Ion Ratio Lower Upper  
 119 100  
 134 17.6 12.7 38.1  
 91 18.8 11.9 35.5

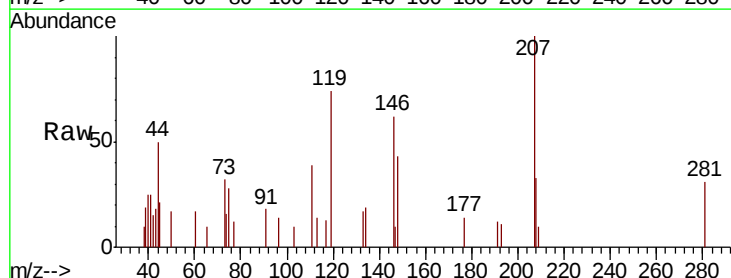


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 134.00 (133.70 to 134.70): V  
 Ion 91.00 (90.70 to 91.70): V

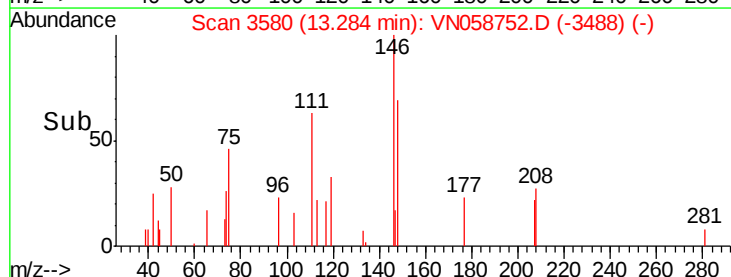
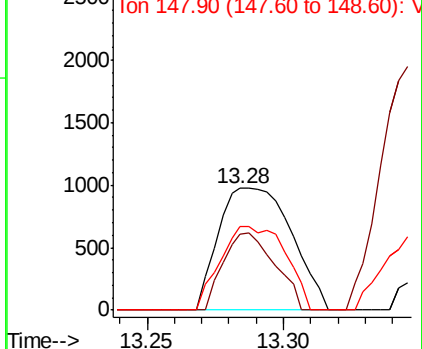


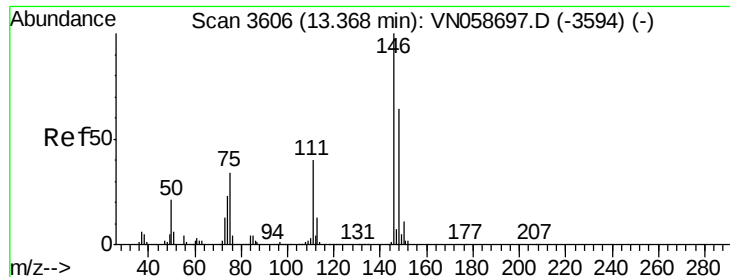
#87  
 1,3-Dichlorobenzene  
 Concen: 0.230 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Tgt Ion:146 Resp: 1822  
 Ion Ratio Lower Upper  
 146 100  
 111 44.4 20.5 61.6  
 148 60.8 31.3 93.9



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





#88

1,4-Dichlorobenzene

Concen: 0.226 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

ClientSampled :

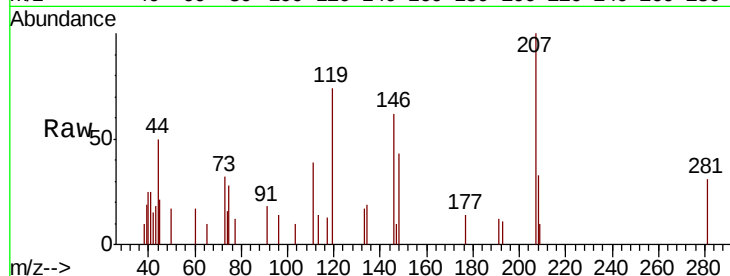
Tot Ion:146 Resp: 1822

Ion Ratio Lower Upper

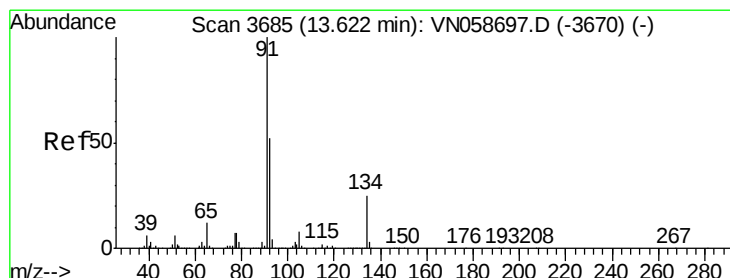
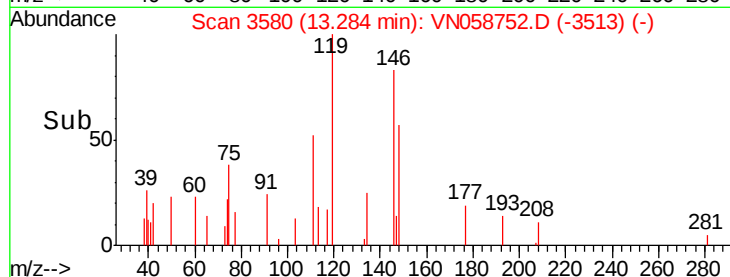
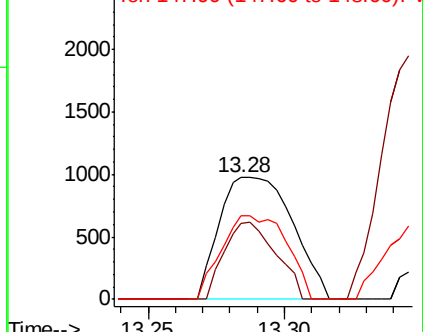
146 100

111 44.4 20.1 60.2

148 60.8 31.9 95.7



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



#89

n-Butylbenzene

Concen: 0.216 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

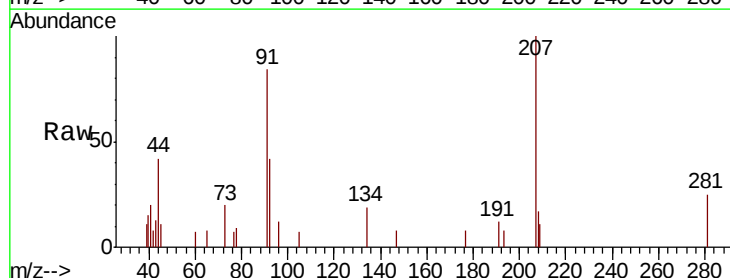
Tgt Ion: 91 Resp: 3091

Ion Ratio Lower Upper

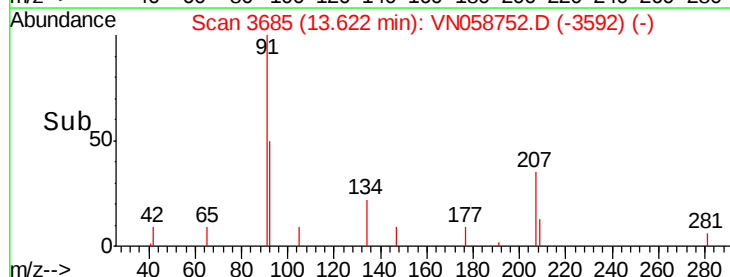
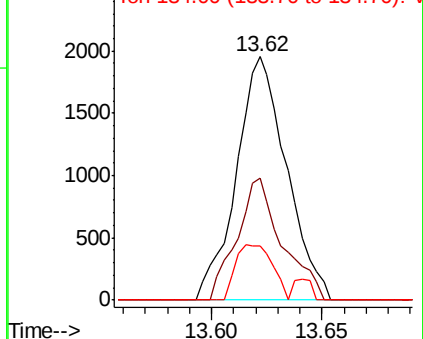
91 100

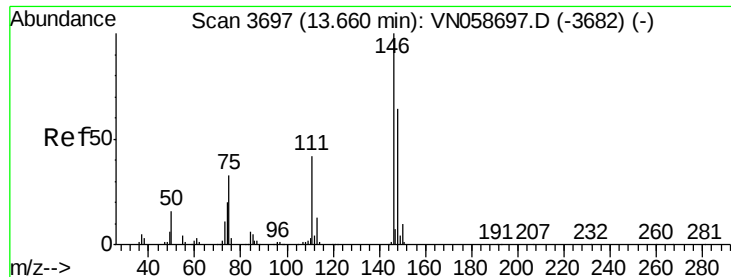
92 45.0 26.0 78.0

134 16.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 92.00 (91.70 to 92.70): V  
Ion 134.00 (133.70 to 134.70): V

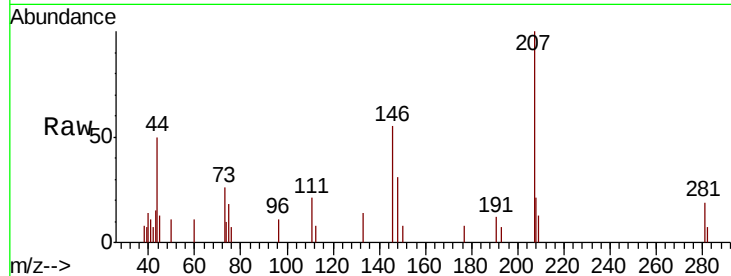




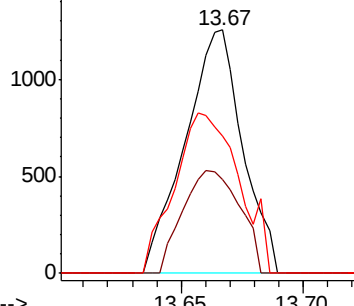
#91  
 1,2-Dichlorobenzene  
 Concen: 0.265 ug/l  
 RT: 13.67 min Scan# 3699  
 Delta R.T. 0.01 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Instrument :  
 MSVOA\_N  
 ClientSampled :

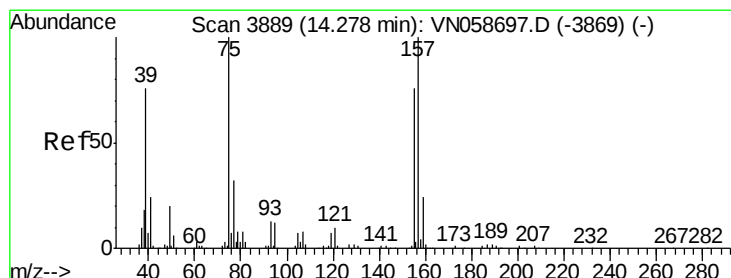
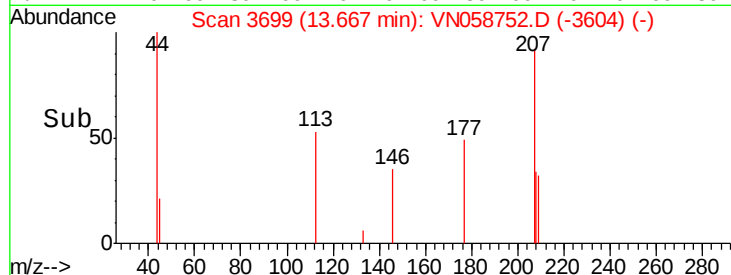
Tot Ion:146 Resp: 2051  
 Ion Ratio Lower Upper  
 146 100  
 111 41.9 21.1 63.4  
 148 73.9 31.8 95.3



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

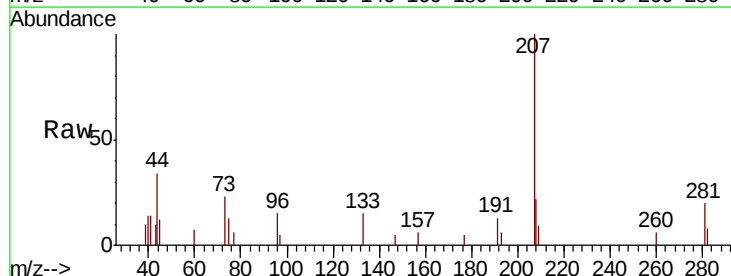


Time-->

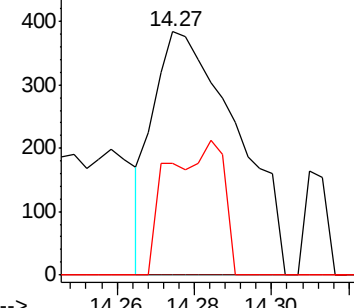


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.423 ug/l  
 RT: 14.27 min Scan# 3888  
 Delta R.T. -0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

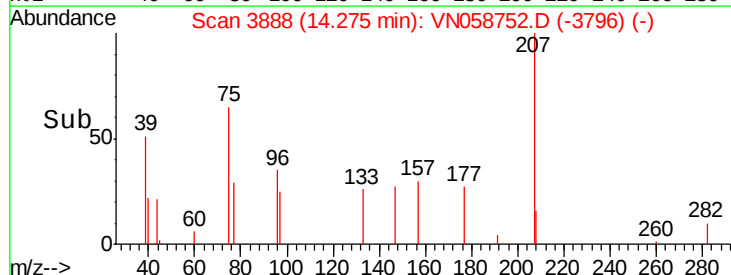
Tgt Ion: 75 Resp: 576  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 37.9 113.6#  
 157 36.6 49.4 148.2#

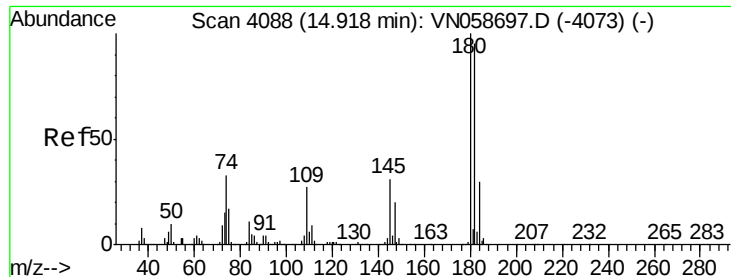


Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V



Time-->

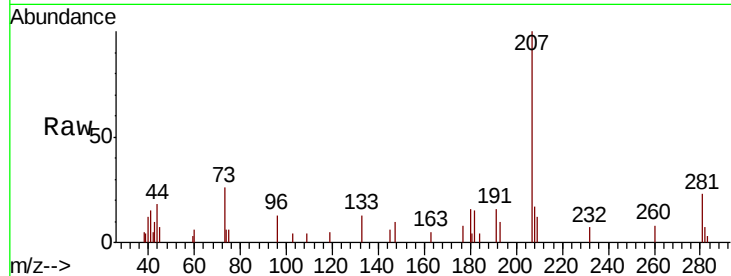




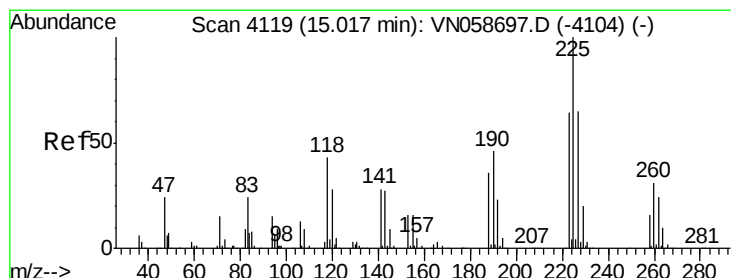
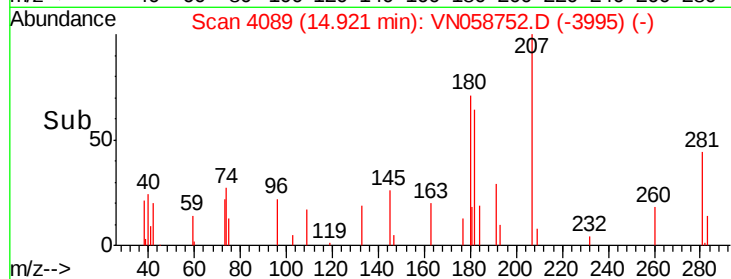
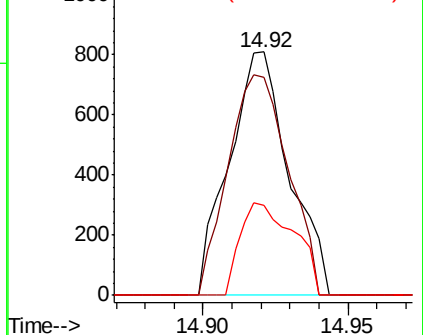
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.247 ug/l  
 RT: 14.92 min Scan# 4089  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:180 Resp: 1165  
 Ion Ratio Lower Upper  
 180 100  
 182 90.9 47.4 142.2  
 145 34.2 15.4 46.2

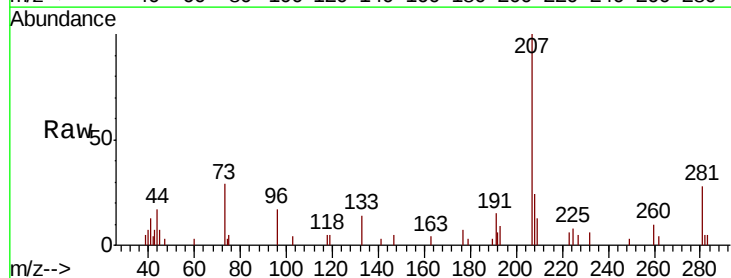


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

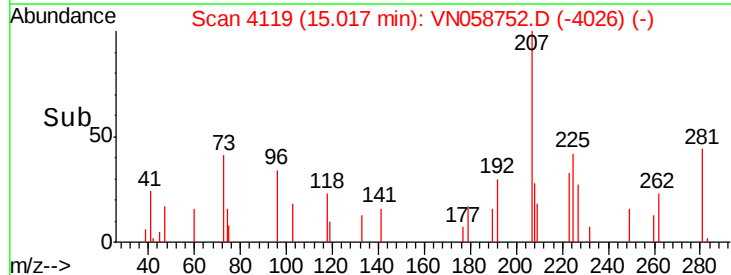
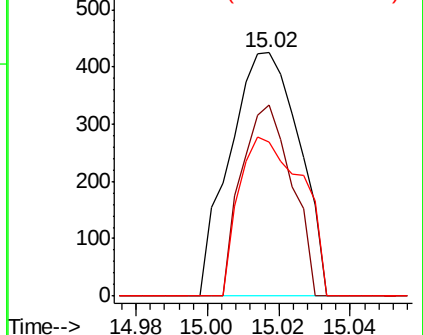


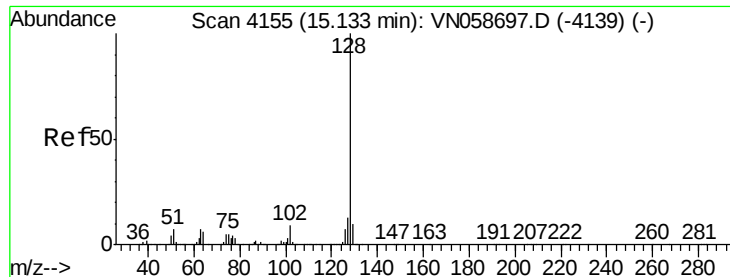
#94  
 Hexachlorobutadiene  
 Concen: 0.229 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. 0.00 min  
 Lab File: VN058752.D  
 Acq: 14 Oct 2019 16:11

Tgt Ion:225 Resp: 570  
 Ion Ratio Lower Upper  
 225 100  
 223 57.2 32.3 96.8  
 227 59.6 32.4 97.0



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





#95

Naphthalene

Concen: 0.282 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA\_N

ClientSampled :

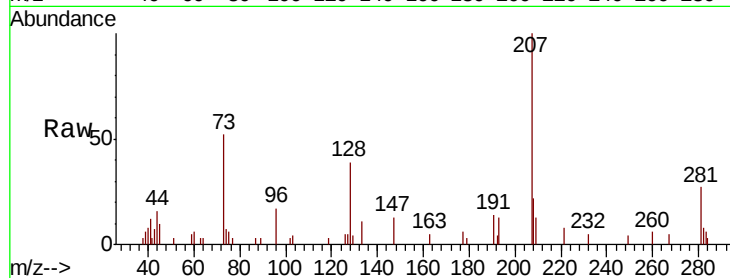
Tot Ion:128 Resp: 3826

Ion Ratio Lower Upper

128 100

127 8.6 10.2 15.4#

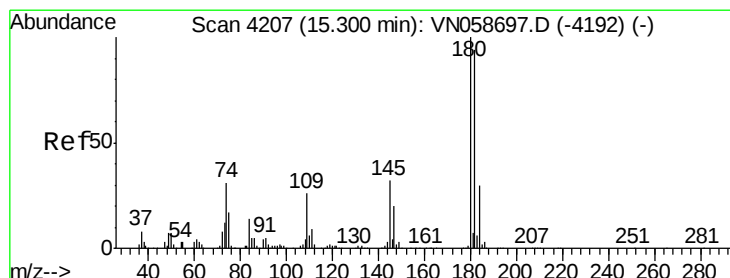
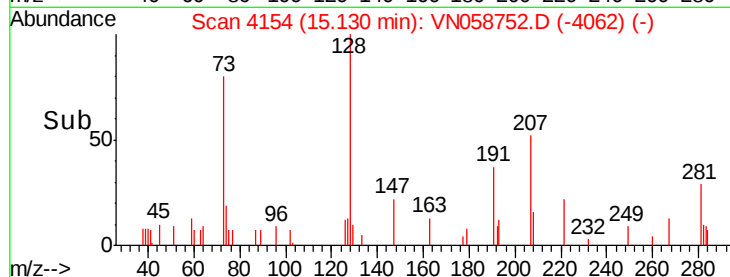
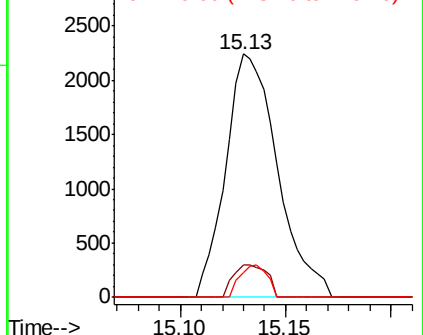
129 7.0 8.5 12.7#



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: 0.271 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

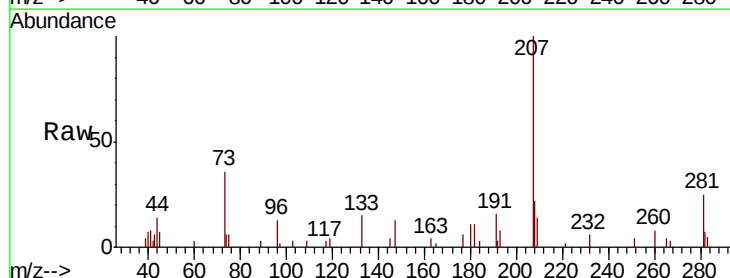
Tgt Ion:180 Resp: 1246

Ion Ratio Lower Upper

180 100

182 84.3 47.3 142.0

145 39.1 16.2 48.6



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

