

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\  
 Data File : VN058359.D  
 Acq On : 25 Sep 2019 12:14  
 Operator : JC/SP  
 Sample : K5008-14DL 5X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 26 01:08:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 477285   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 795863   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 692883   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 305257   | 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   | 360211   | 54.19 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.38% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 251425   | 51.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.94% |          |
| 50) Toluene-d8              | 10.08 | 98   | 1051948  | 55.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.60% |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 353932   | 50.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.10% |          |

| Target Compounds              | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 2.04  | 50   | 627      | Below Cal | #      | 43     |
| 4) Vinyl Chloride             | 2.42  | 62   | 101      | Below Cal | #      | 1      |
| 5) Bromomethane               | 2.55  | 94   | 29       | 0.739     | ug/l # | 69     |
| 6) Chloroethane               | 2.68  | 64   | 96       | Below Cal | #      | 44     |
| 11) Tert butyl alcohol        | 4.74  | 59   | 633      | 0.801     | ug/l # | 71     |
| 14) Allyl chloride            | 4.51  | 41   | 1665     | 0.264     | ug/l # | 22     |
| 16) Acetone                   | 3.81  | 43   | 9380     | 4.157     | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.02  | 76   | 517      | 0.396     | ug/l # | 74     |
| 18) Methyl Acetate            | 4.32  | 43   | 1630     | 0.275     | ug/l # | 57     |
| 20) Methylene Chloride        | 4.54  | 84   | 4441     | 0.906     | ug/l # | 83     |
| 25) 2-Butanone                | 6.81  | 43   | 1095     | 0.356     | ug/l # | 51     |
| 31) Cyclohexane               | 7.64  | 56   | 40950    | 5.239     | ug/l # | 65     |
| 36) 1,1-Dichloropropene       | 7.65  | 75   | 41511    | 7.233     | ug/l # | 52     |
| 38) Carbon Tetrachloride      | 7.65  | 117  | 49893    | 8.648     | ug/l # | 15     |
| 39) Methylcyclohexane         | 9.07  | 83   | 381791   | 68.774    | ug/l   | 99     |
| 41) Methacrylonitrile         | 7.14  | 41   | 64       | 0.932     | ug/l # | 100    |
| 43) Isopropyl Acetate         | 8.13  | 43   | 15072    | 1.355     | ug/l # | 57     |
| 45) 1,2-Dichloropropane       | 9.07  | 63   | 4939     | 0.943     | ug/l # | 1      |
| 47) Bromodichloromethane      | 9.36  | 83   | 4088     | 0.613     | ug/l # | 40     |
| 48) Methyl methacrylate       | 9.26  | 41   | 37925    | 7.509     | ug/l # | 60     |
| 51) 4-Methyl-2-Pentanone      | 10.08 | 43   | 21148    | 3.579     | ug/l   | 91     |
| 52) Toluene                   | 10.15 | 92   | 3382     | 0.308     | ug/l   | 79     |
| 55) 1,1,2-Trichloroethane     | 10.53 | 97   | 65346    | 13.403    | ug/l # | 18     |
| 56) Ethyl methacrylate        | 10.43 | 69   | 40695    | 5.785     | ug/l # | 40     |
| 59) 2-Hexanone                | 10.72 | 43   | 35630    | 8.120     | ug/l # | 30     |
| 67) Ethyl Benzene             | 11.51 | 91   | 6447     | 0.309     | ug/l   | 90     |
| 71) Bromoform                 | 12.40 | 173  | 954      | 3.865     | ug/l # | 1      |
| 73) Isopropylbenzene          | 12.25 | 105  | 484107   | 25.336    | ug/l   | 100    |
| 74) N-amyl acetate            | 12.05 | 43   | 30941    | 3.871     | ug/l # | 59     |
| 75) 1,1,2,2-Tetrachloroethane | 12.47 | 83   | 3156     | 0.493     | ug/l # | 26     |
| 76) 1,2,3-Trichloropropane    | 12.41 | 75   | 193057   | 35.338    | ug/l # | 100    |
| 78) n-propylbenzene           | 12.60 | 91   | 689389   | 31.751    | ug/l   | 99     |
| 79) 2-Chlorotoluene           | 12.60 | 91   | 689389   | 50.804    | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene    | 12.90 | 105  | 49253    | 3.048     | ug/l   | 75     |

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 MSVOA\_N  
 ClientSampleId :

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 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

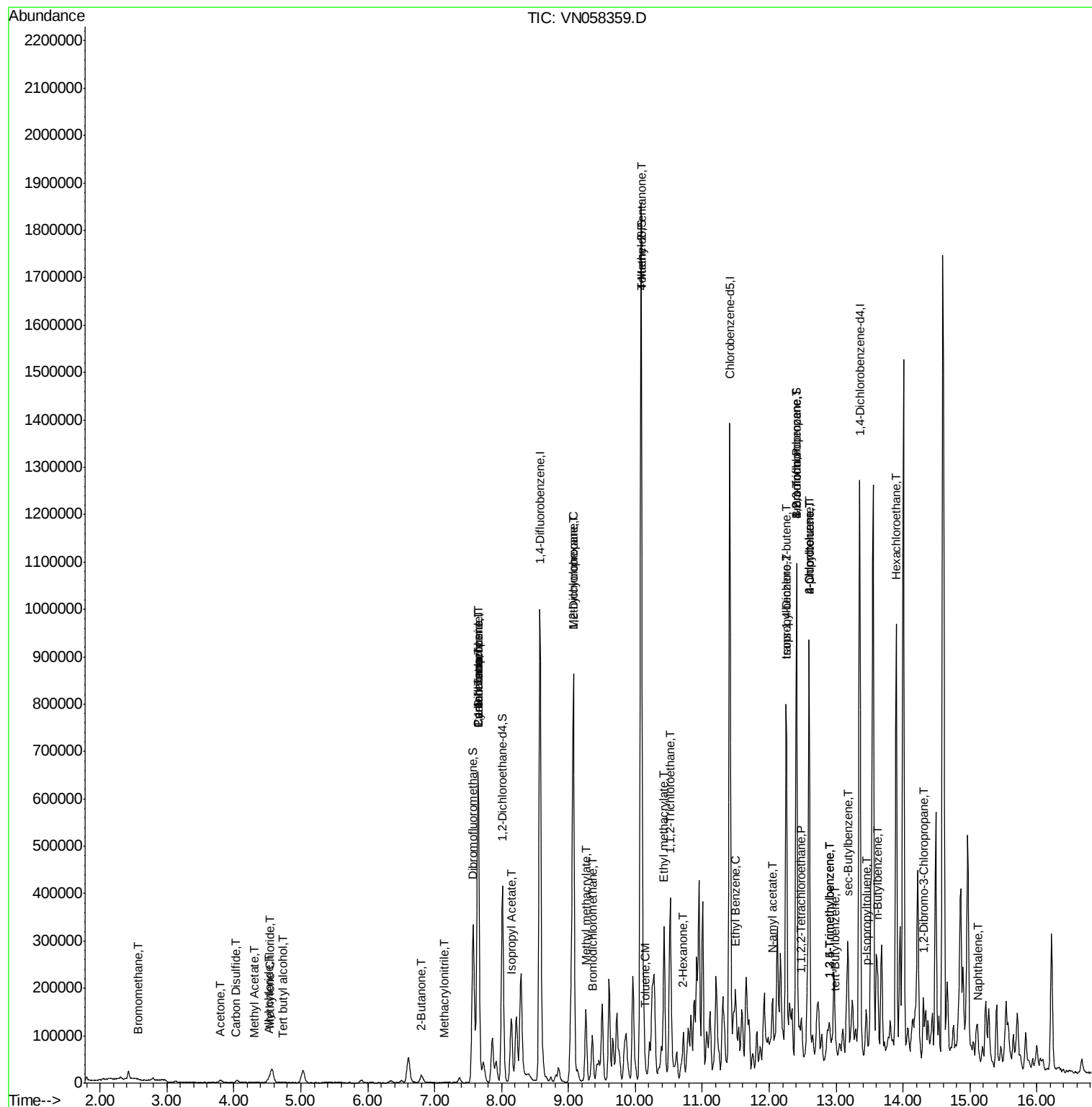
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 81) trans-1,4-Dichloro-2-buten | 12.25 | 75   | 6112     | 8.725  | ug/l # | 65       |
| 82) 4-Chlorotoluene            | 12.60 | 91   | 689389   | 48.331 | ug/l # | 43       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 12756    | 0.885  | ug/l   | 84       |
| 84) 1,2,4-Trimethylbenzene     | 12.90 | 105  | 49253    | 3.063  | ug/l   | 78       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 142117   | 7.543  | ug/l   | 82       |
| 86) p-Isopropyltoluene         | 13.45 | 119  | 56403    | 3.367  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.62 | 91   | 108258   | 6.817  | ug/l # | 78       |
| 90) Hexachloroethane           | 13.90 | 117  | 47383    | 18.043 | ug/l # | 12       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.30 | 75   | 728      | 0.632  | ug/l # | 6        |
| 95) Naphthalene                | 15.14 | 128  | 5741     | 0.394  | ug/l # | 83       |

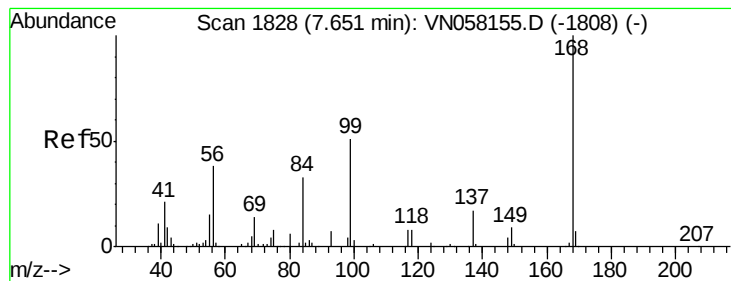
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 19 09:27:53 2019  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

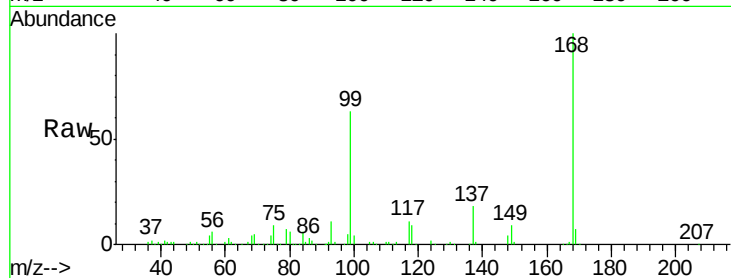
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 477285

Ion Ratio Lower Upper

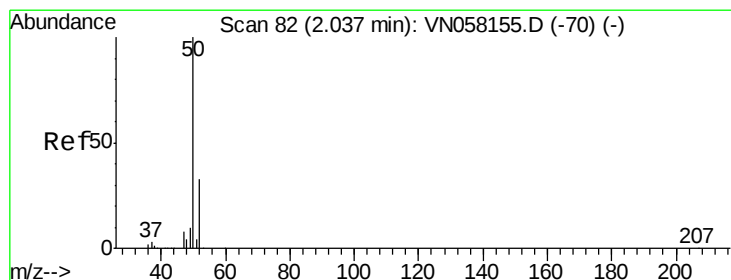
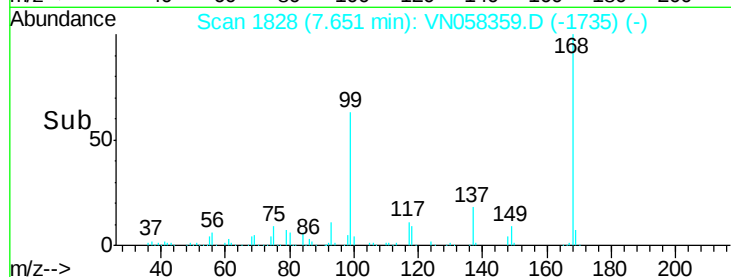
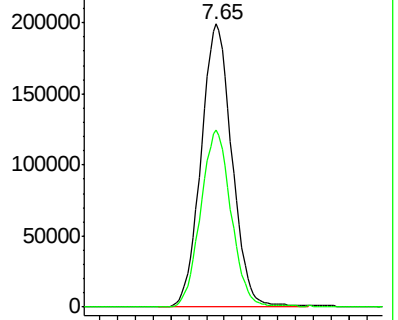
168 100

99 62.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058359.D

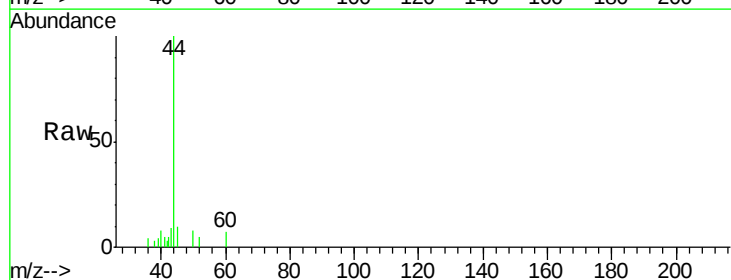
Acq: 25 Sep 2019 12:14

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

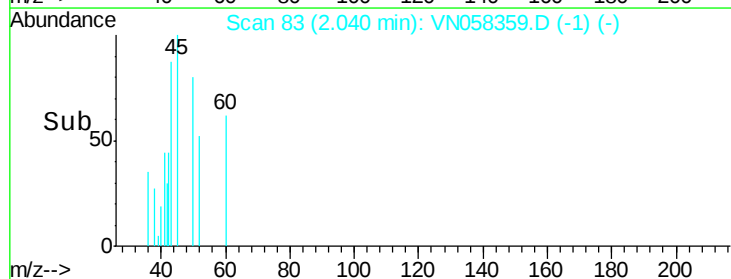
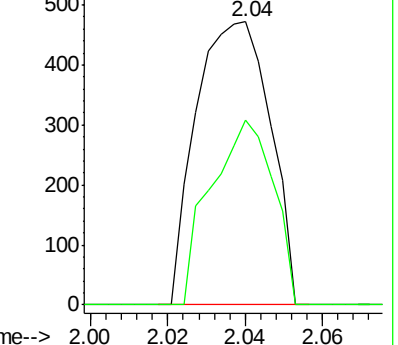
50 100

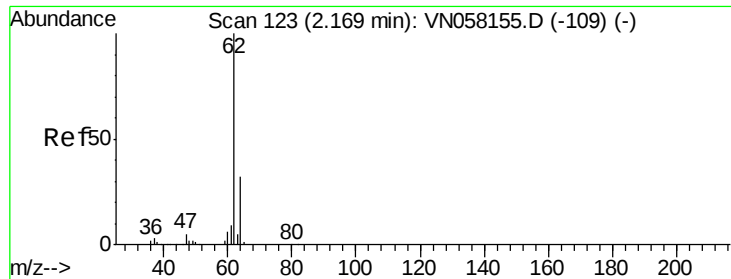
52 65.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.42 min Scan# 201

Delta R.T. 0.25 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

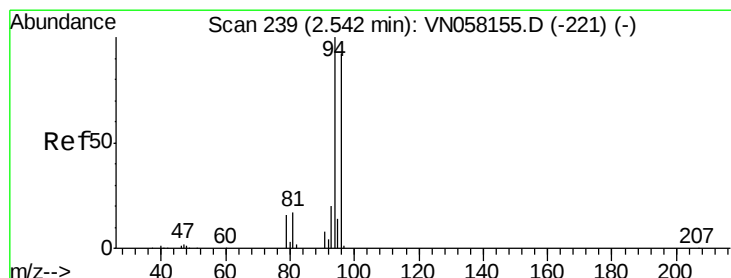
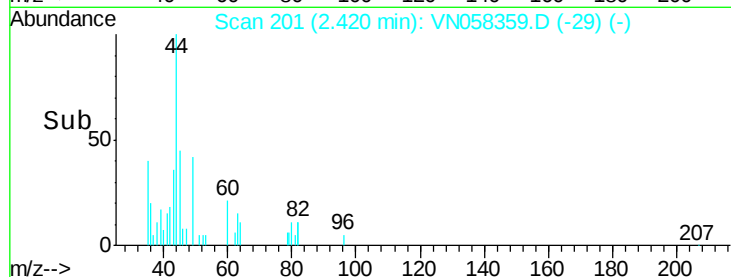
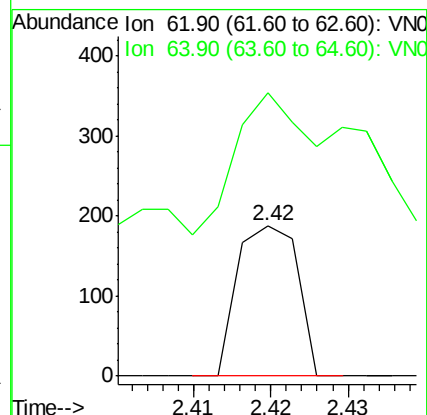
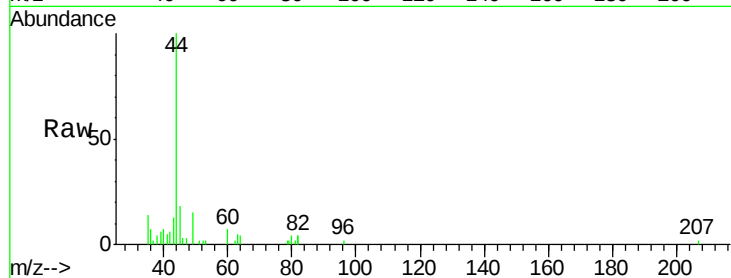
ClientSampled :

Tot Ion: 62 Resp: 101

Ion Ratio Lower Upper

62 100

64 94.1 25.4 38.2#



#5

Bromomethane

Concen: 0.739 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058359.D

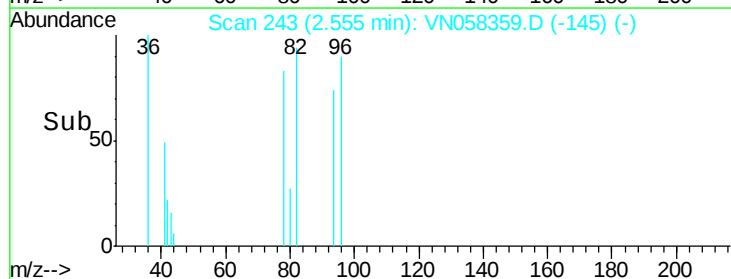
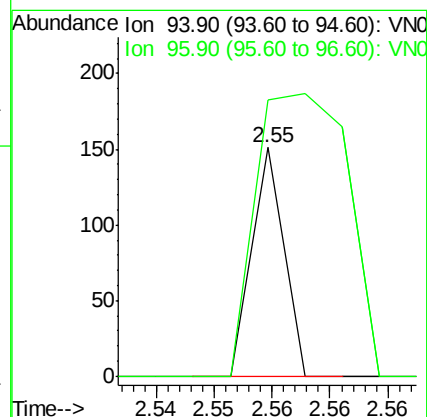
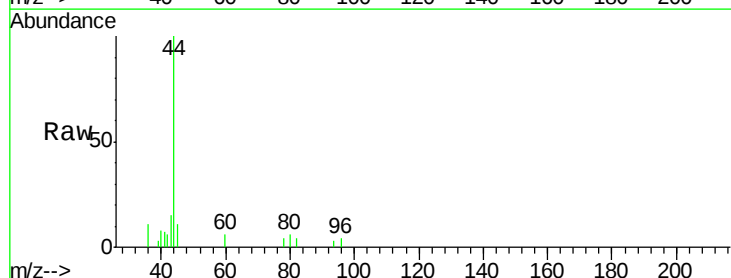
Acq: 25 Sep 2019 12:14

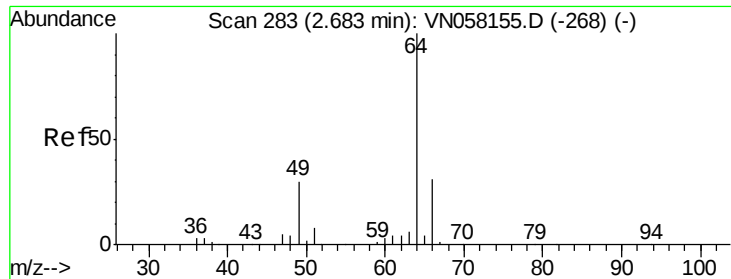
Tgt Ion: 94 Resp: 29

Ion Ratio Lower Upper

94 100

96 121.2 73.3 109.9#





#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

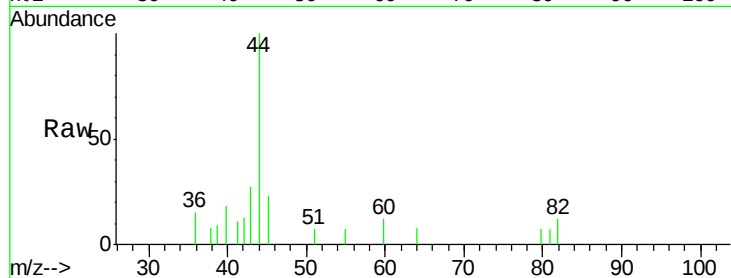
ClientSampled :

Tot Ion: 64 Resp: 96

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.68

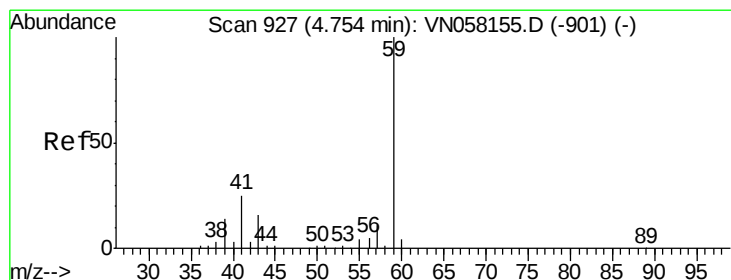
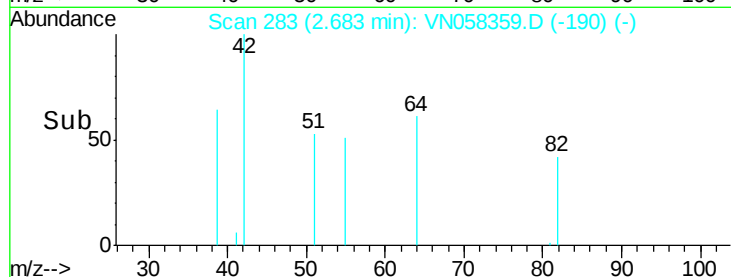
150

100

50

0

Time-->



#11

Tert butyl alcohol

Concen: 0.801 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.01 min

Lab File: VN058359.D

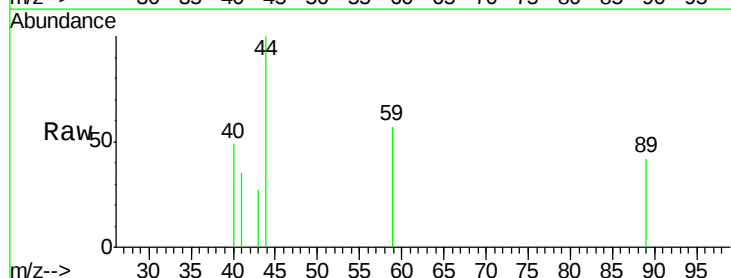
Acq: 25 Sep 2019 12:14

Tgt Ion: 59 Resp: 633

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VNC

Ion 57.00 (56.70 to 57.70): VNC

4.74

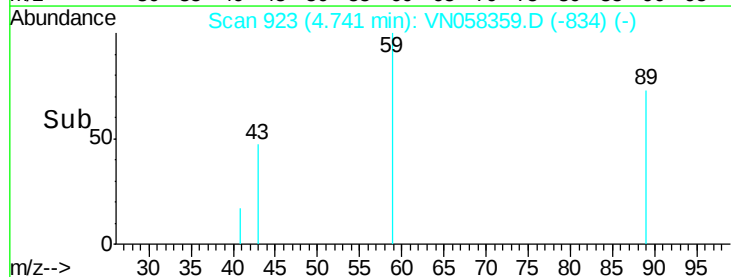
300

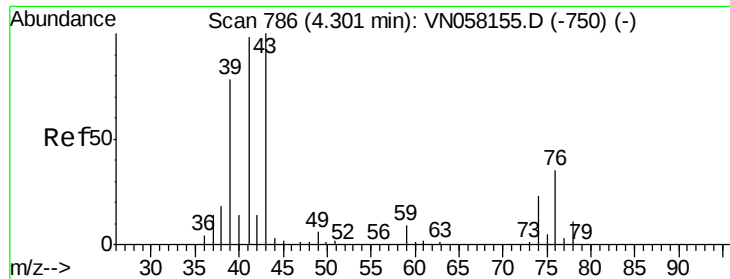
200

100

0

Time-->

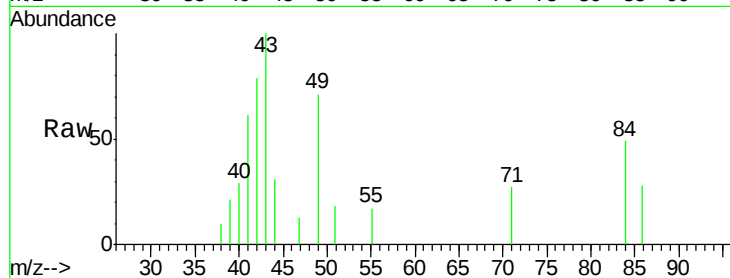




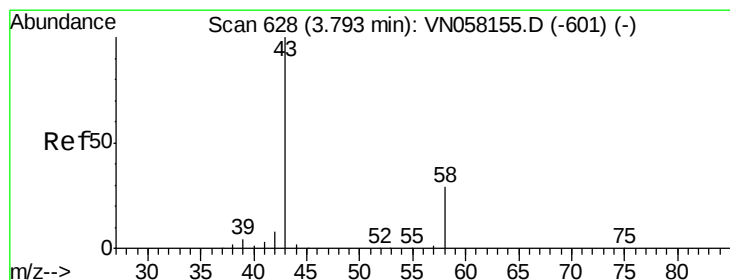
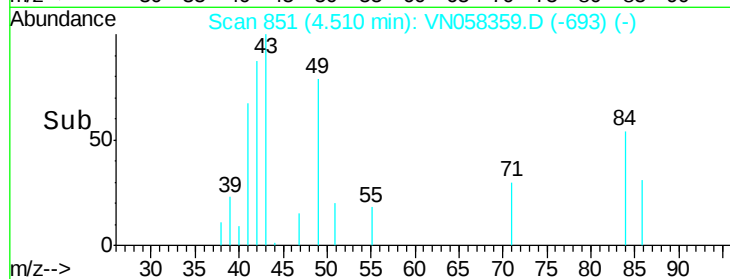
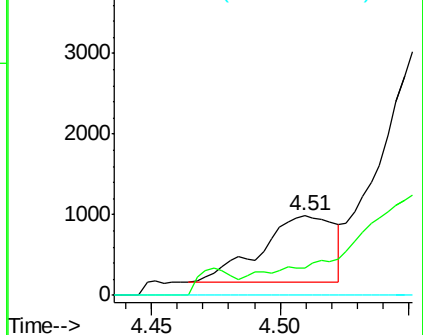
#14  
Allvl chloride  
Concen: 0.264 ug/l  
RT: 4.51 min Scan# 851  
Delta R.T. 0.21 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 41 Resp: 1665  
Ion Ratio Lower Upper  
41 100  
39 0.0 59.1 88.7#  
76 0.0 25.1 37.7#

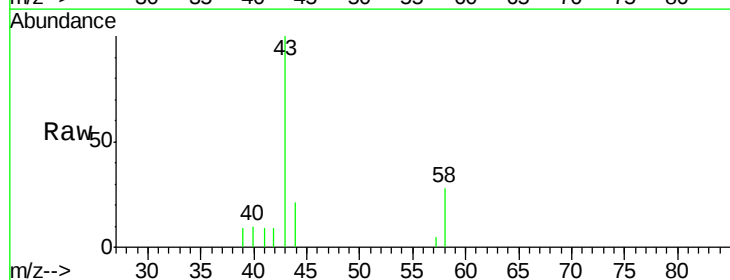


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC  
Ion 75.90 (75.60 to 76.60): VNC

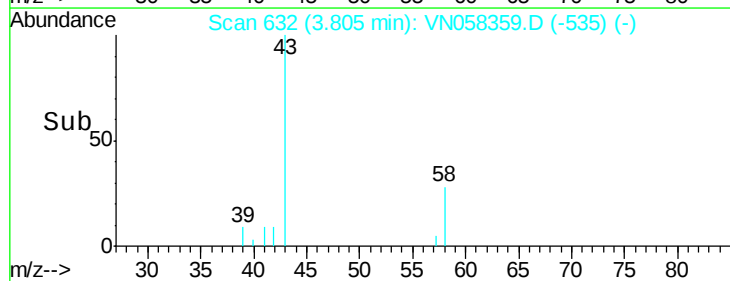
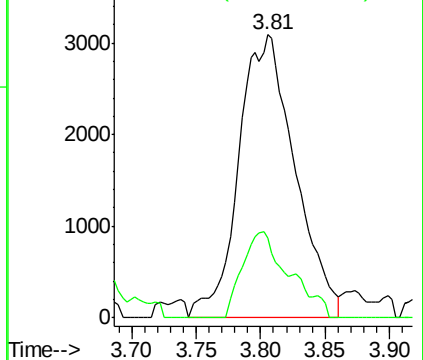


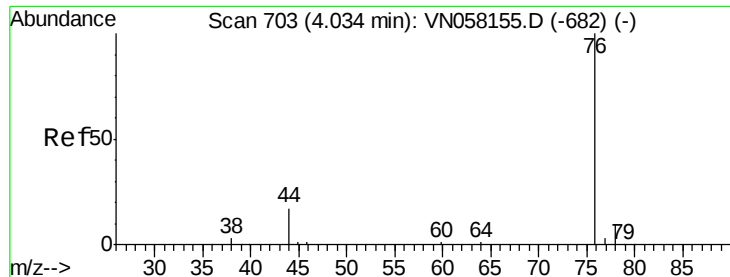
#16  
Acetone  
Concen: 4.157 ug/l  
RT: 3.81 min Scan# 632  
Delta R.T. 0.01 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 9380  
Ion Ratio Lower Upper  
43 100  
58 28.0 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNC  
Ion 58.00 (57.70 to 58.70): VNC

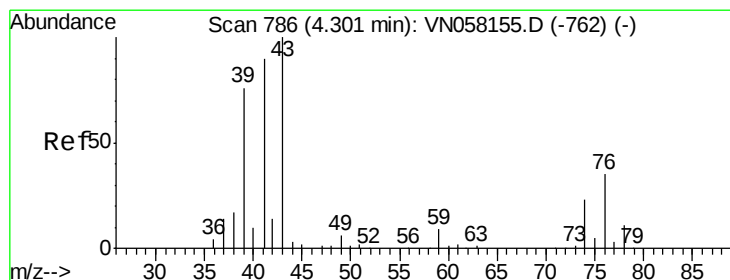
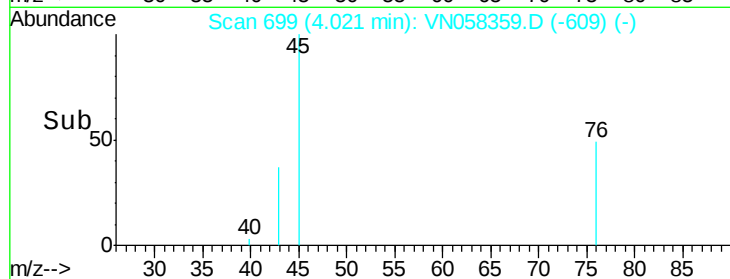
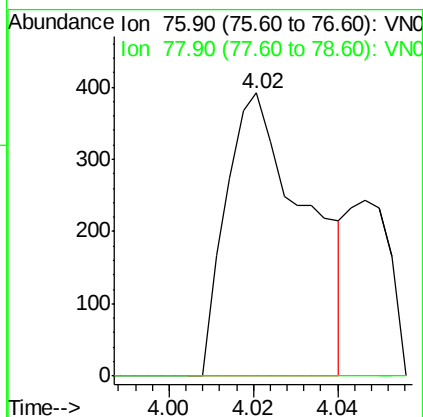
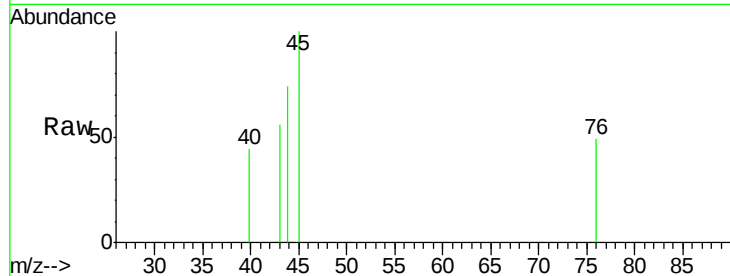




#17  
Carbon Disulfide  
Concen: 0.396 ug/l  
RT: 4.02 min Scan# 699  
Delta R.T. -0.01 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

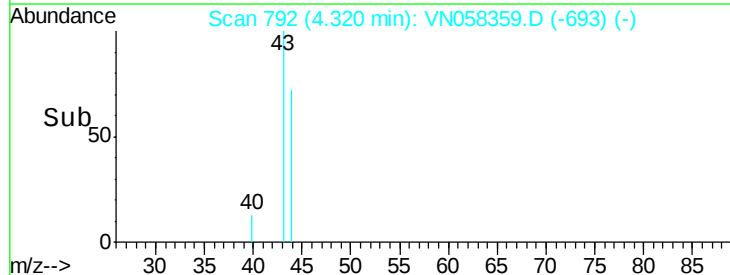
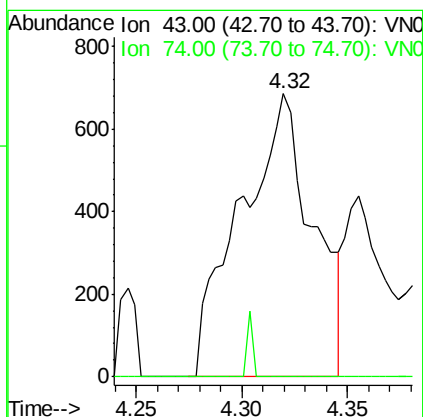
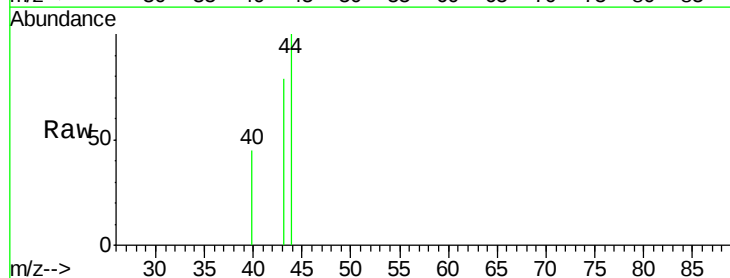
Instrument :  
MSVOA\_N  
ClientSampled :

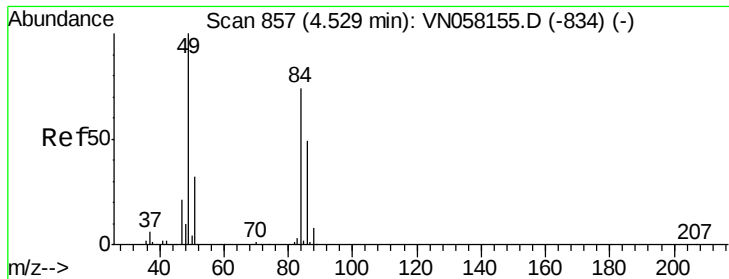
Tot Ion: 76 Resp: 517  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.7 11.5#



#18  
Methyl Acetate  
Concen: 0.275 ug/l  
RT: 4.32 min Scan# 792  
Delta R.T. 0.02 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 1630  
Ion Ratio Lower Upper  
43 100  
74 1.9 18.0 27.0#





#20

Methylene Chloride

Concen: 0.906 ug/l

RT: 4.54 min Scan# 859

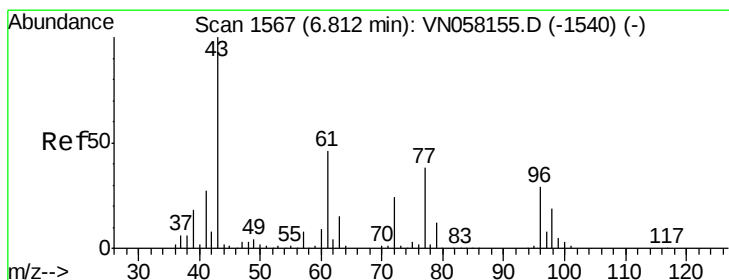
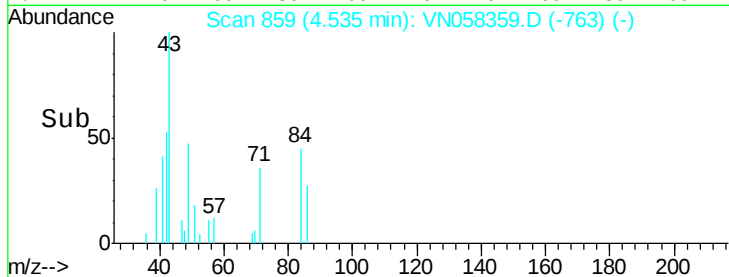
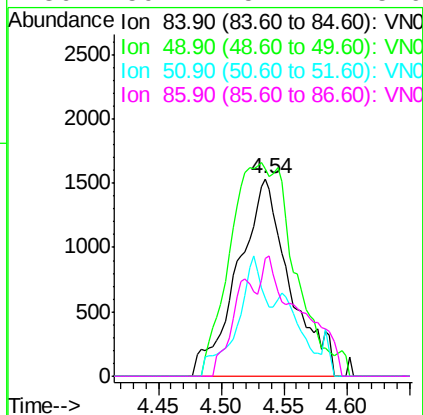
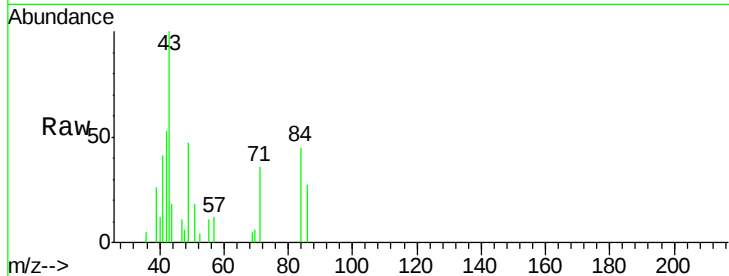
Delta R.T. 0.01 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :  
MSVOA\_N  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 4441   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 105.1 | 107.5 | 161.3# |
| 51       | 39.3  | 33.9  | 50.9   |
| 86       | 59.4  | 52.4  | 78.6   |



#25

2-Butanone

Concen: 0.356 ug/l

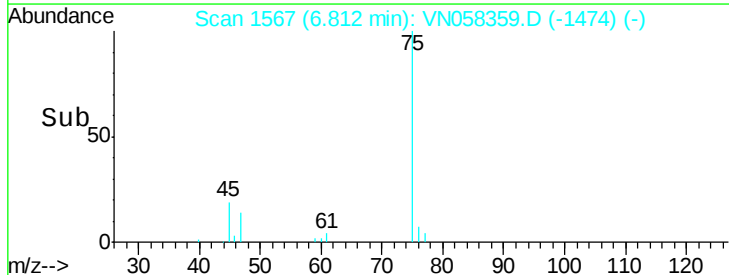
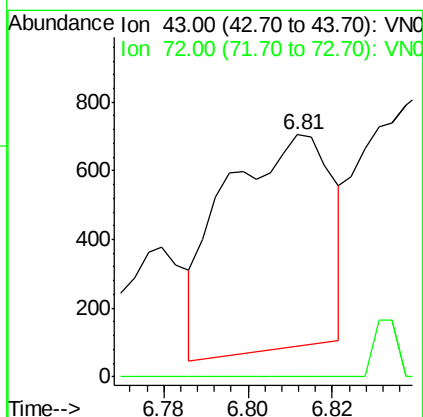
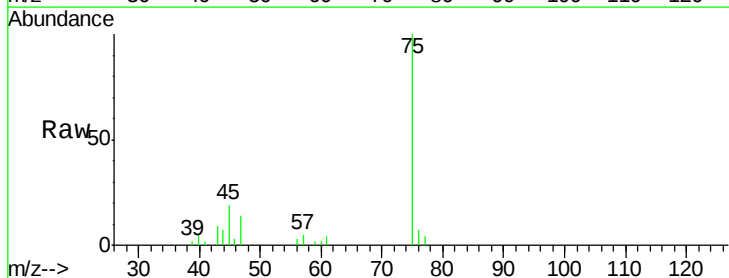
RT: 6.81 min Scan# 1567

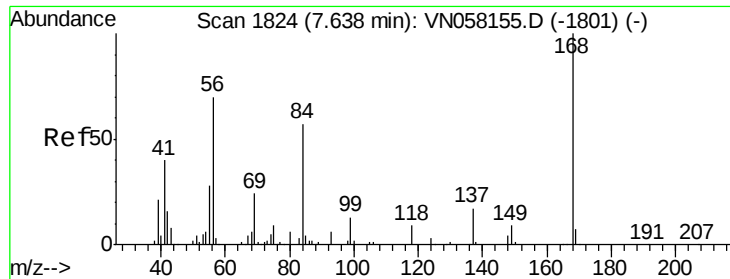
Delta R.T. -0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1095  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 19.5  | 29.3# |

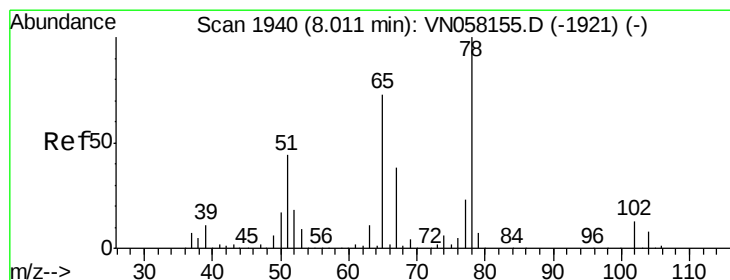
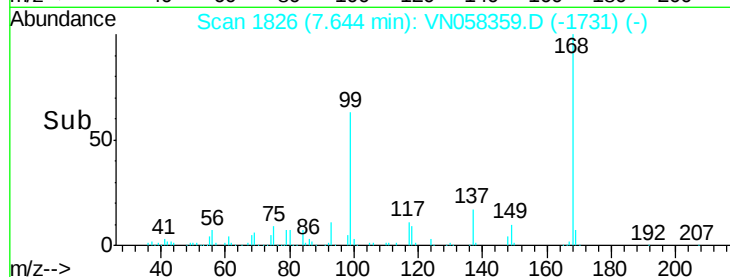
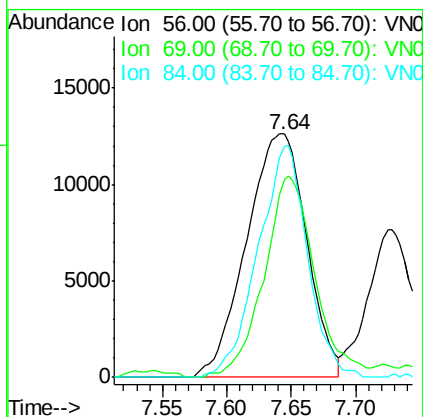
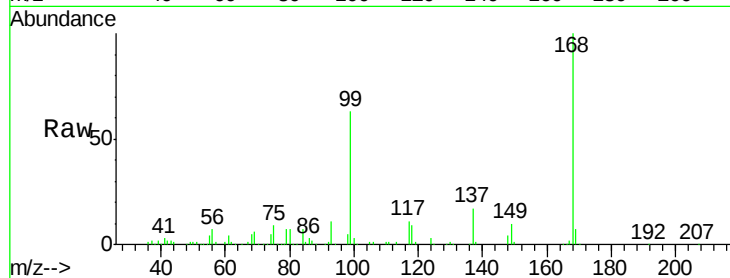




#31  
Cyclohexane  
Concen: 5.239 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. 0.01 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

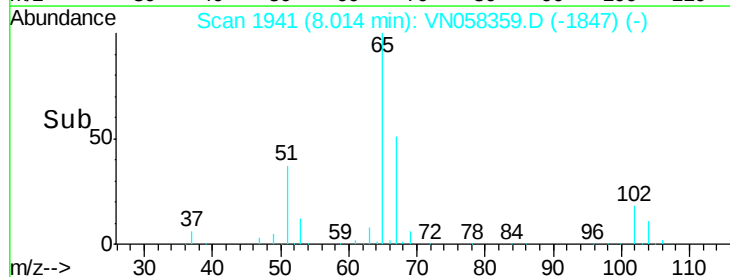
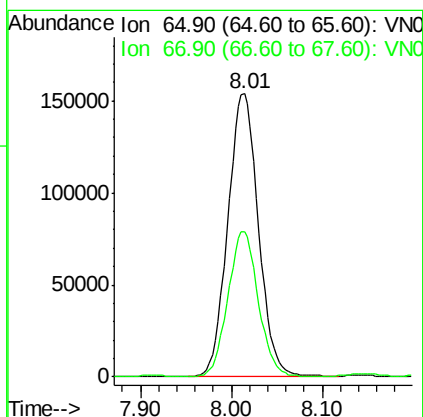
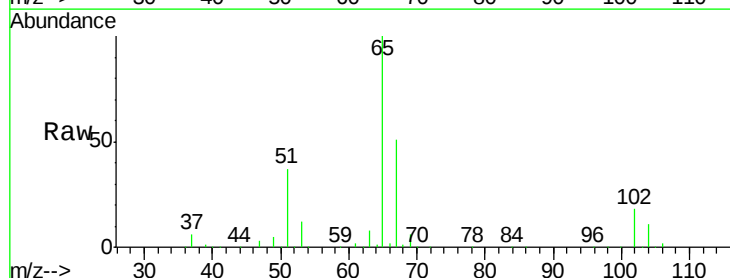
Instrument :  
MSVOA\_N  
ClientSampleId :

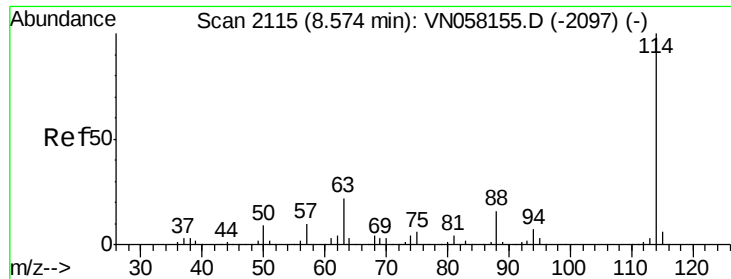
Tot Ion: 56 Resp: 40950  
Ion Ratio Lower Upper  
56 100  
69 81.0 27.3 40.9#  
84 94.9 65.0 97.4



#33  
1,2-Dichloroethane-d4  
Concen: 54.186 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

Tgt Ion: 65 Resp: 360211  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 103.4

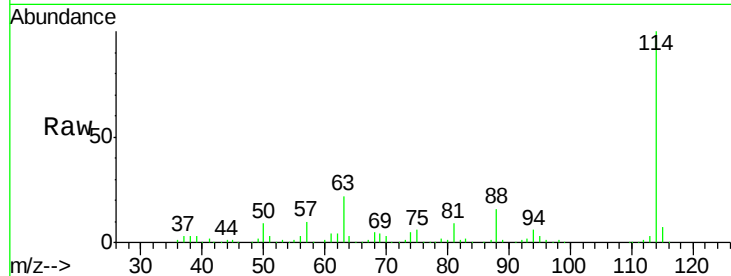




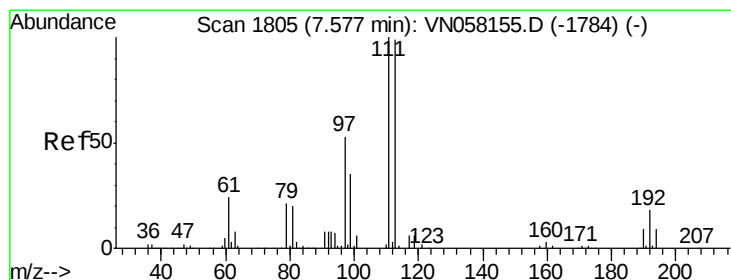
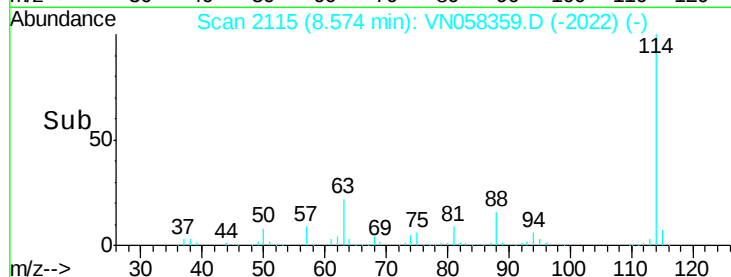
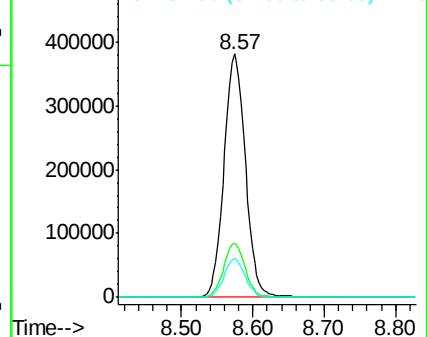
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN058359.D  
 Acq: 25 Sep 2019 12:14

Instrument :  
 MSVOA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.4  | 0.0   | 44.2  |
| 88      | 16.0  | 0.0   | 31.6  |

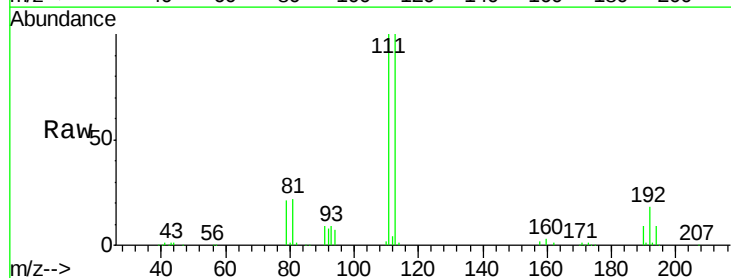


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

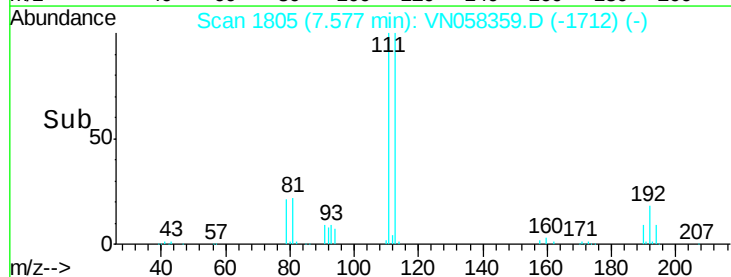
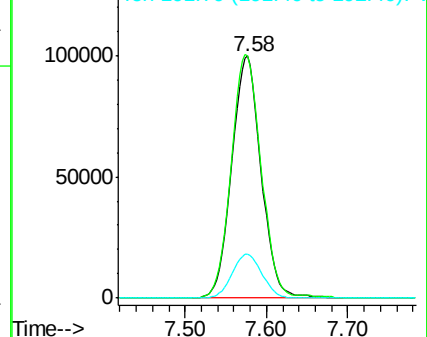


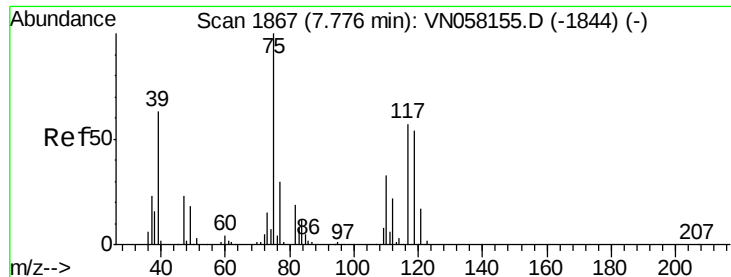
#35  
 Dibromofluoromethane  
 Concen: 51.967 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. -0.00 min  
 Lab File: VN058359.D  
 Acq: 25 Sep 2019 12:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 81.8  | 122.6 |
| 192     | 18.5  | 14.5  | 21.7  |



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

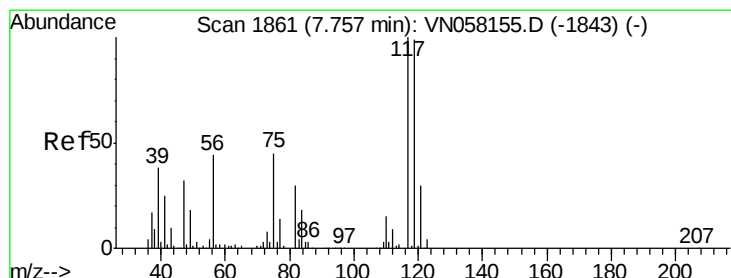
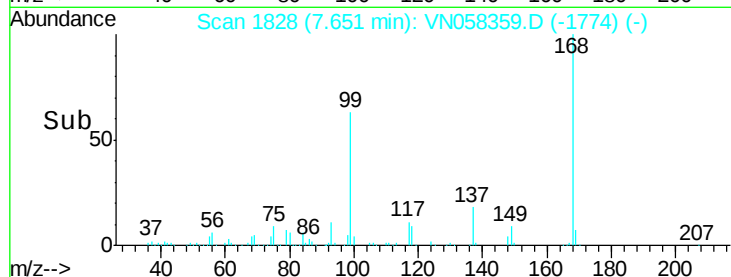
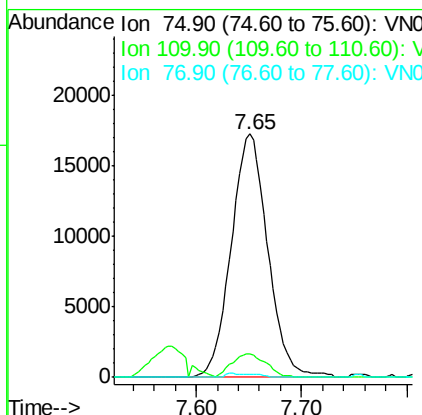
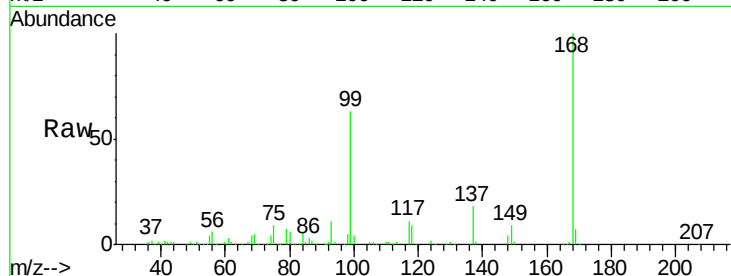




#36  
 1,1-Dichloropropene  
 Concen: 7.233 ug/l  
 RT: 7.65 min Scan# 1828  
 Delta R.T. -0.13 min  
 Lab File: VN058359.D  
 Acq: 25 Sep 2019 12:14

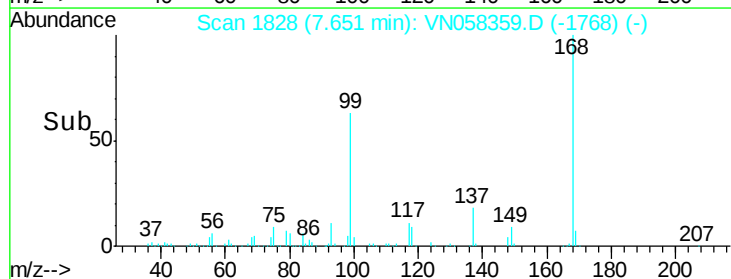
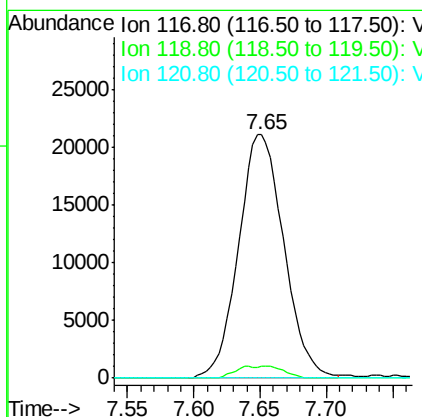
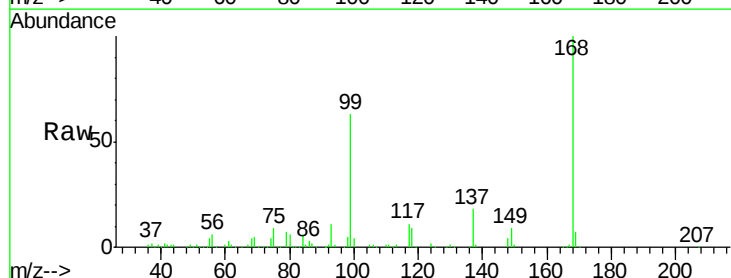
Instrument :  
 MSVOA\_N  
 ClientSampleId :

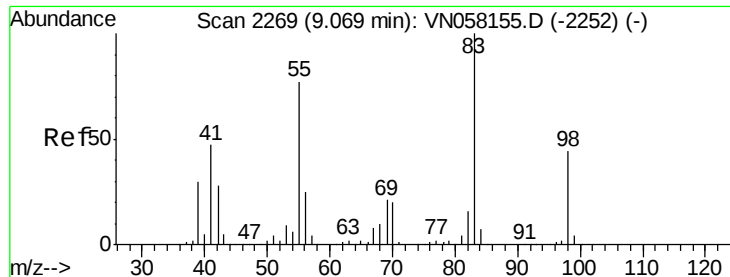
| Tot Ion   | 75    | Resp  | 41511 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 9.1   | 16.6  | 49.7# |
| 77        | 0.7   | 24.3  | 36.5# |



#38  
 Carbon Tetrachloride  
 Concen: 8.648 ug/l  
 RT: 7.65 min Scan# 1828  
 Delta R.T. -0.11 min  
 Lab File: VN058359.D  
 Acq: 25 Sep 2019 12:14

| Tgt Ion   | 117   | Resp  | 49893  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 4.7   | 78.6  | 117.8# |
| 121       | 0.0   | 24.1  | 36.1#  |

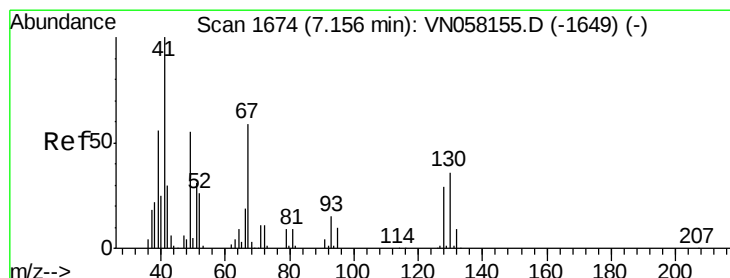
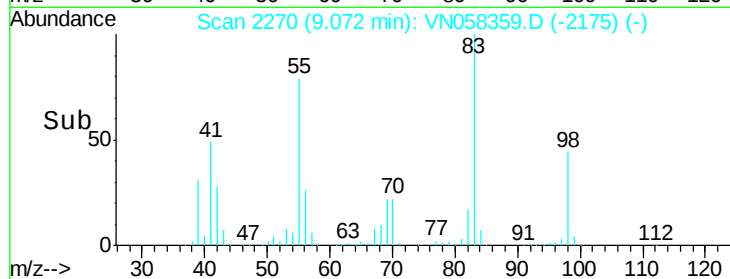
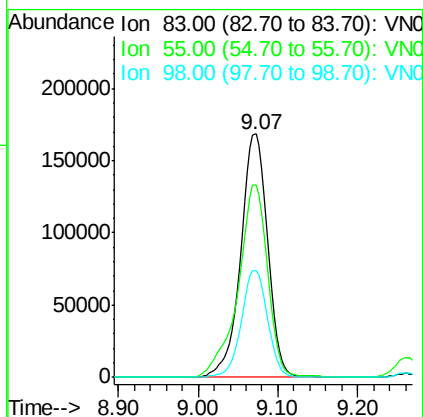
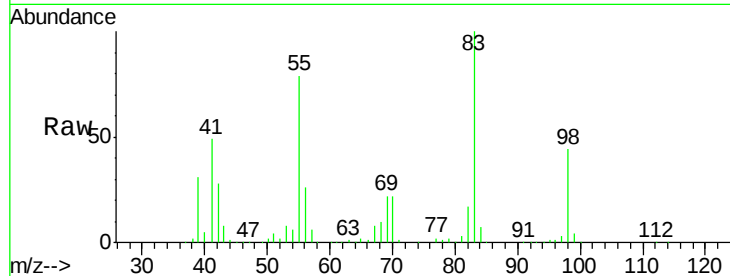




#39  
Methylcyclohexane  
Concen: 68.774 ug/l  
RT: 9.07 min Scan# 2270  
Delta R.T. 0.00 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

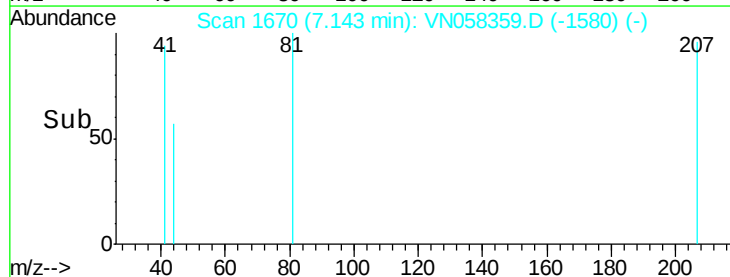
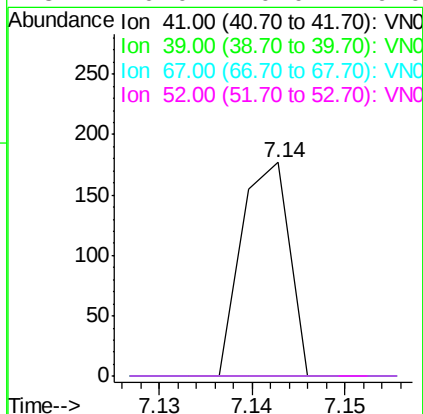
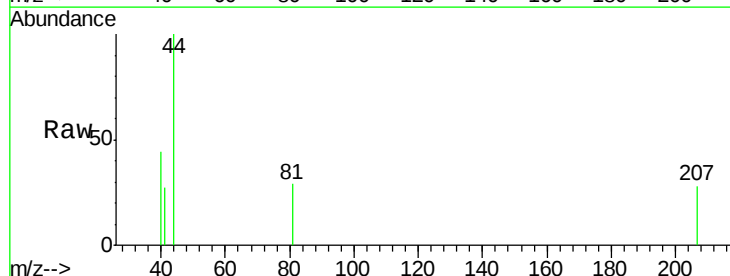
Instrument :  
MSVOA\_N  
ClientSampled :

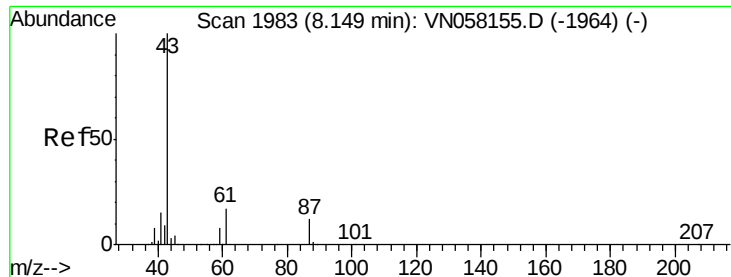
Tot Ion: 83 Resp: 381791  
Ion Ratio Lower Upper  
83 100  
55 78.9 61.9 92.9  
98 44.0 35.4 53.2



#41  
Methacrylonitrile  
Concen: 0.932 ug/l  
RT: 7.14 min Scan# 1670  
Delta R.T. -0.01 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

Tgt Ion: 41 Resp: 64  
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





#43

Isopropyl Acetate

Concen: 1.355 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.02 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampleId :

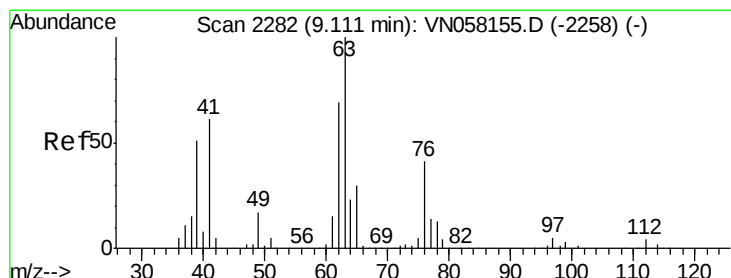
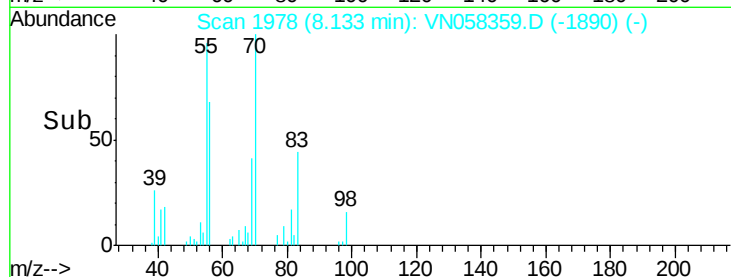
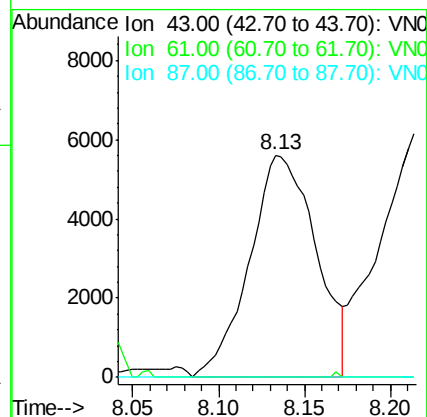
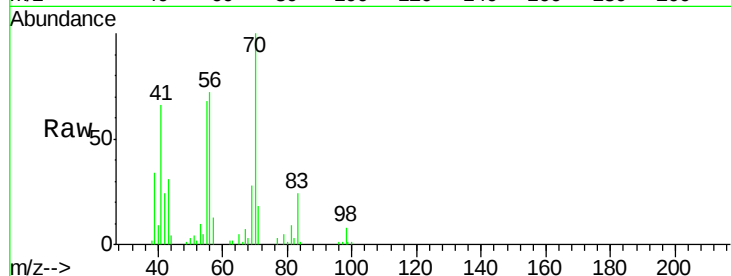
Tot Ion: 43 Resp: 15072

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

87 0.0 9.4 14.2#



#45

1,2-Dichloropropane

Concen: 0.943 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.04 min

Lab File: VN058359.D

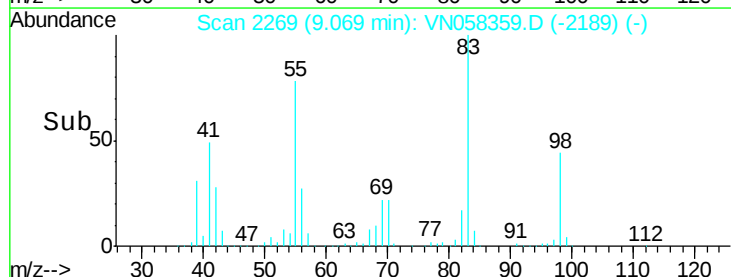
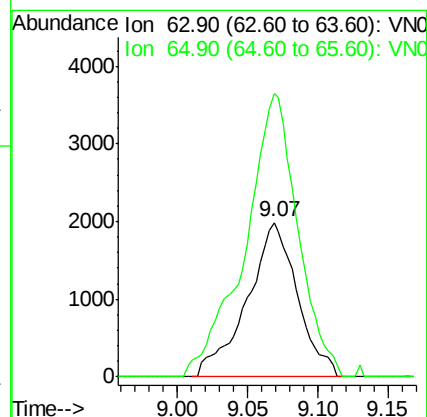
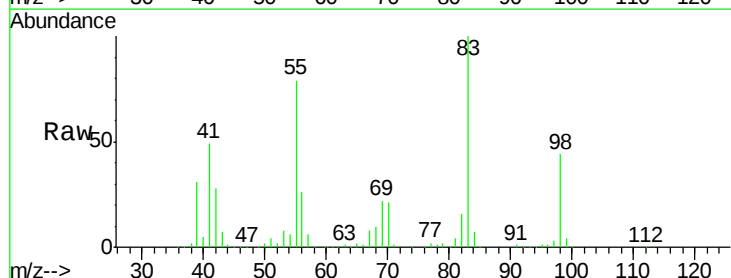
Acq: 25 Sep 2019 12:14

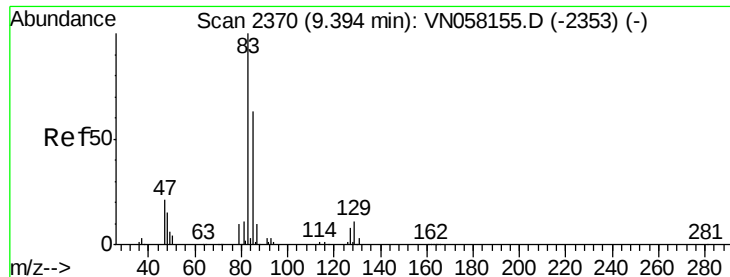
Tgt Ion: 63 Resp: 4939

Ion Ratio Lower Upper

63 100

65 183.6 23.8 35.6#





#47

Bromodichloromethane

Concen: 0.613 ug/l

RT: 9.36 min Scan# 2359

Delta R.T. -0.04 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampled :

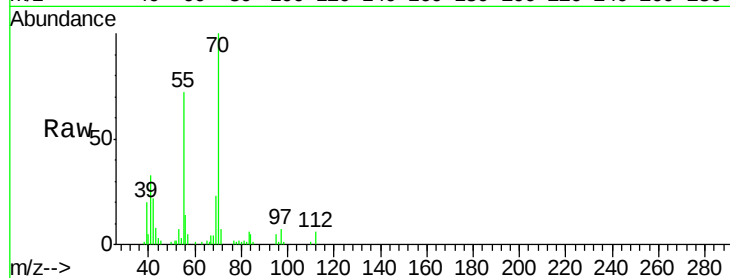
Tot Ion: 83 Resp: 4088

Ion Ratio Lower Upper

83 100

85 12.6 50.1 75.1#

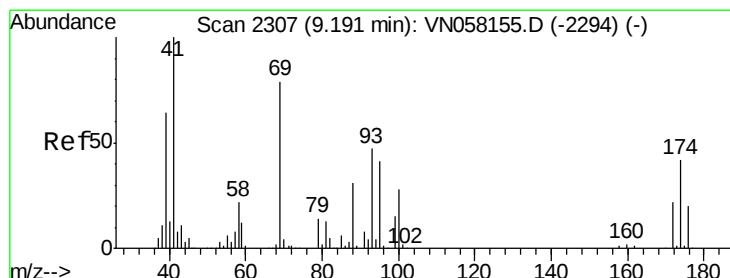
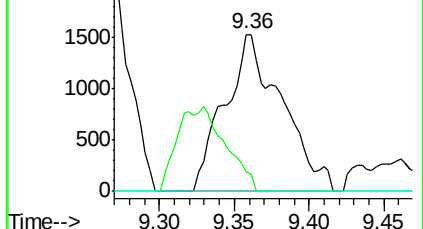
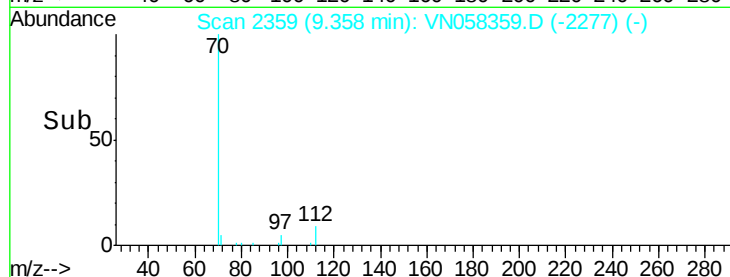
127 0.0 6.4 9.6#



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: 7.509 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.07 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

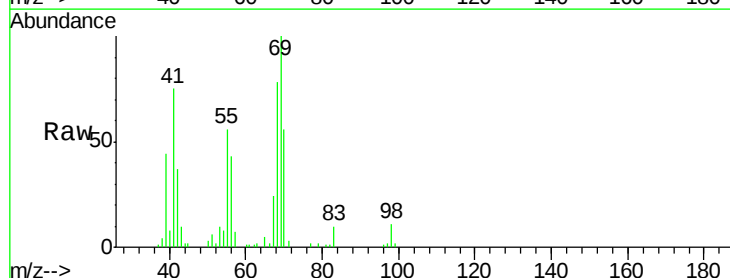
Tgt Ion: 41 Resp: 37925

Ion Ratio Lower Upper

41 100

69 132.8 62.5 93.7#

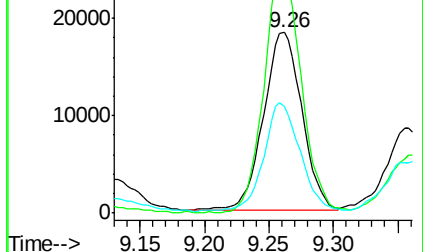
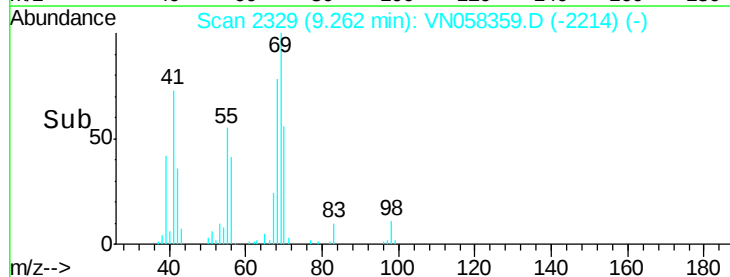
39 55.9 52.3 78.5

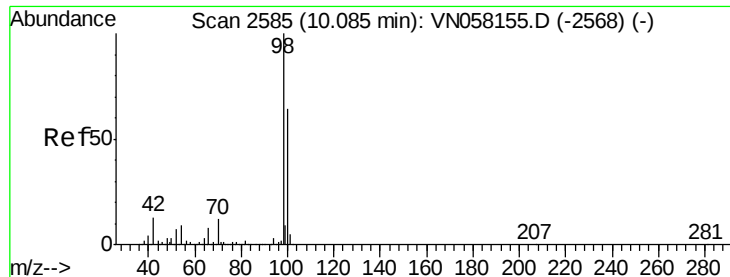


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 55.805 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

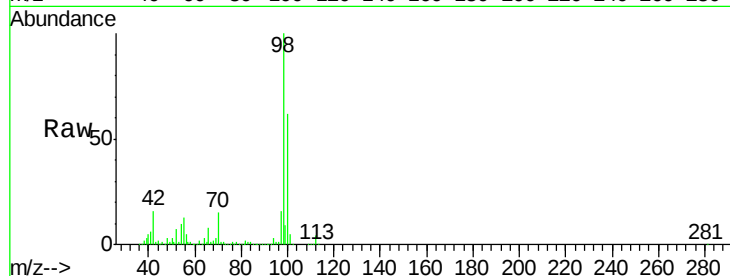
ClientSampled :

Tot Ion: 98 Resp: 1051948

Ion Ratio Lower Upper

98 100

100 62.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058155.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058155.D (-2568) (-)

10.08

600000

500000

400000

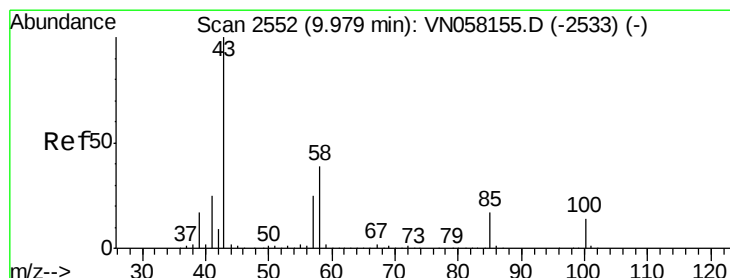
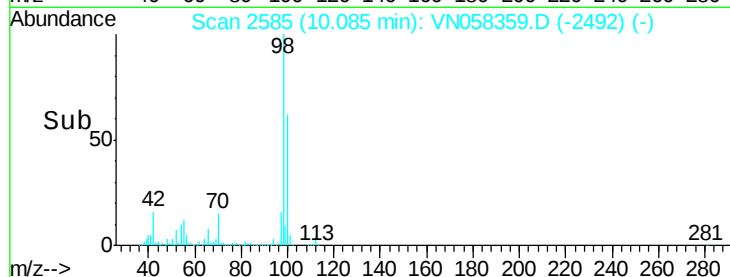
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.579 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.10 min

Lab File: VN058359.D

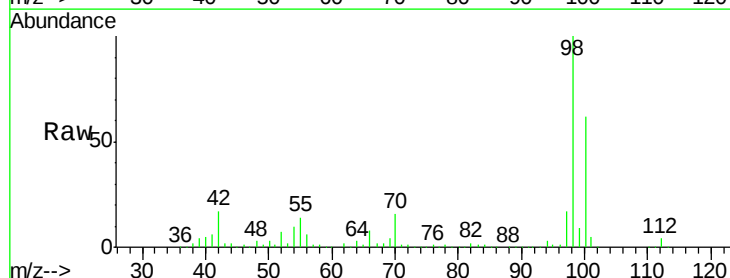
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 21148

Ion Ratio Lower Upper

43 100

58 43.4 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-2533) (-)

10.08

10000

8000

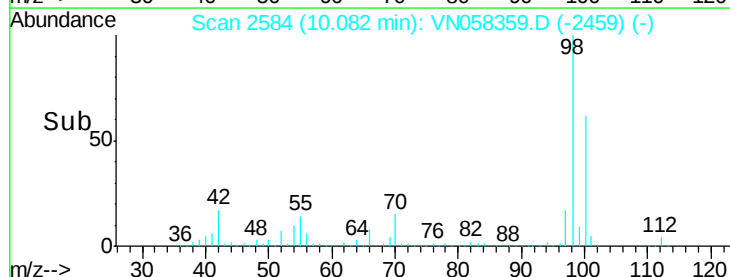
6000

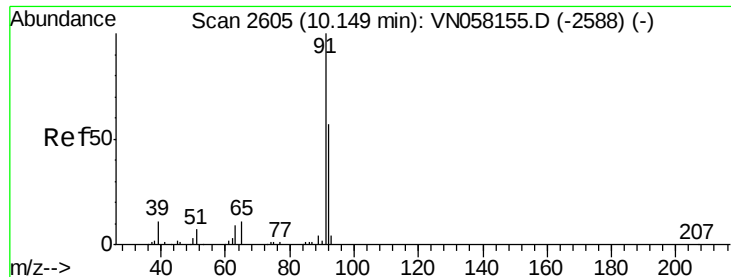
4000

2000

0

Time-->





#52

Toluene

Concen: 0.308 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

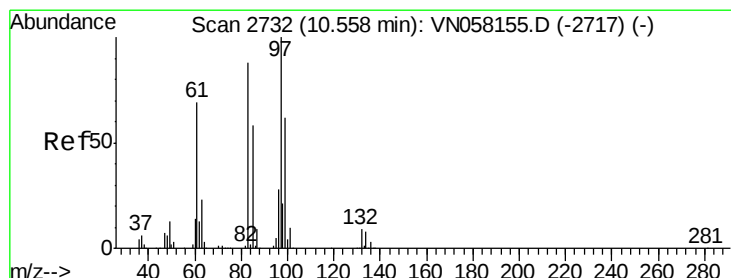
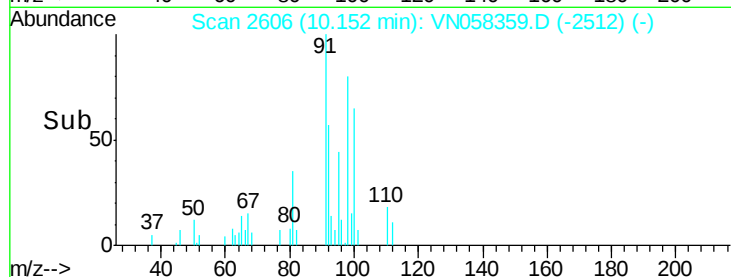
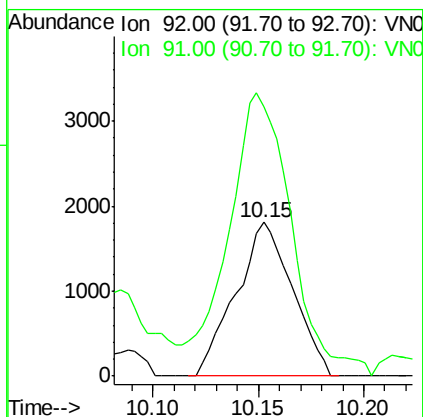
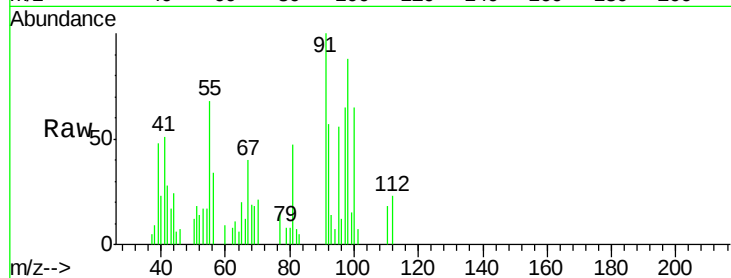
ClientSampleId :

Tot Ion: 92 Resp: 3382

Ion Ratio Lower Upper

92 100

91 204.4 140.2 210.2



#55

1,1,2-Trichloroethane

Concen: 13.403 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Tgt Ion: 97 Resp: 65346

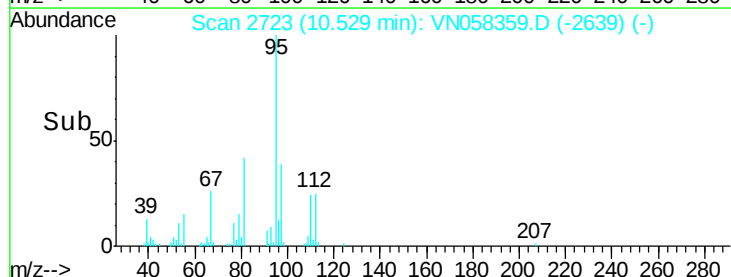
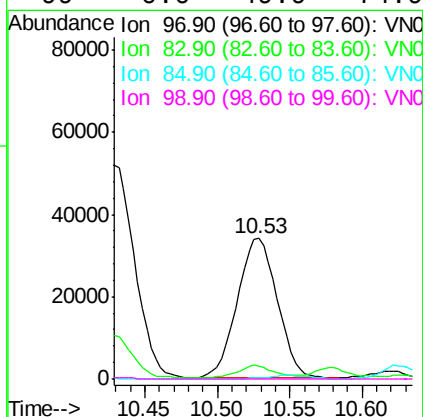
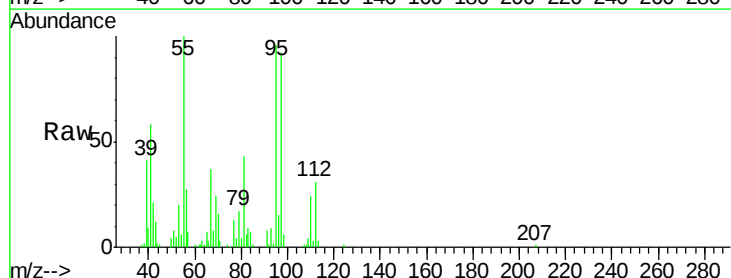
Ion Ratio Lower Upper

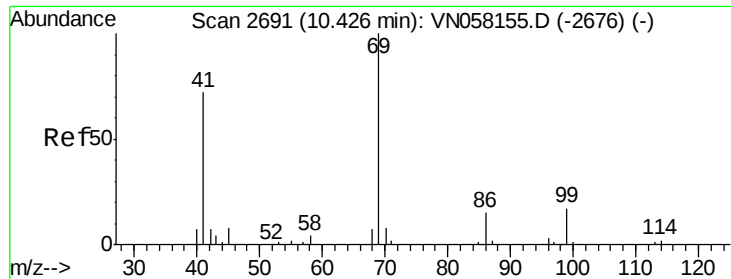
97 100

83 8.5 70.4 105.6#

85 1.0 46.8 70.2#

99 0.0 49.9 74.9#





#56

Ethyl methacrylate

Concen: 5.785 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampled :

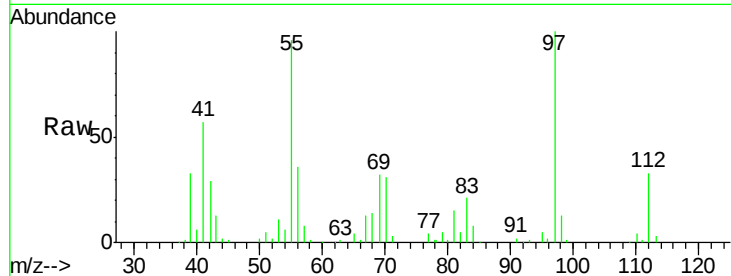
Tot Ion: 69 Resp: 40695

Ion Ratio Lower Upper

69 100

41 129.7 57.5 86.3#

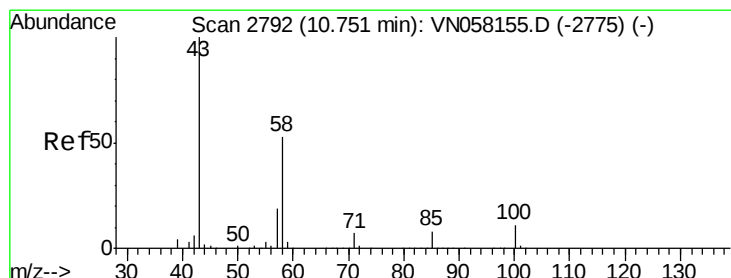
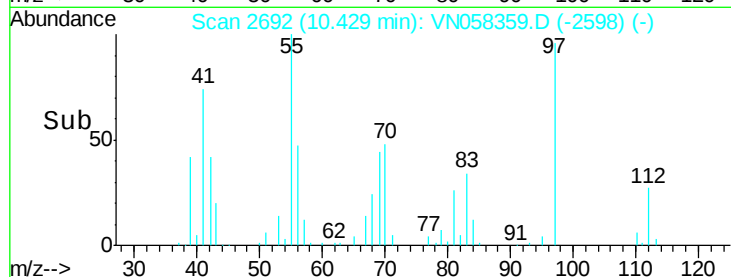
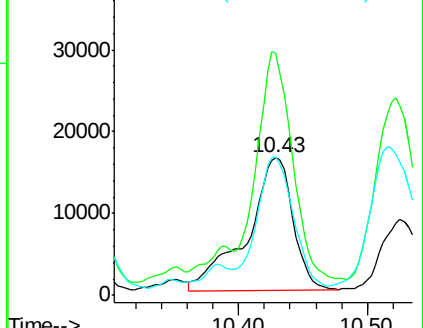
39 74.2 36.1 54.1#



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



#59

2-Hexanone

Concen: 8.120 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN058359.D

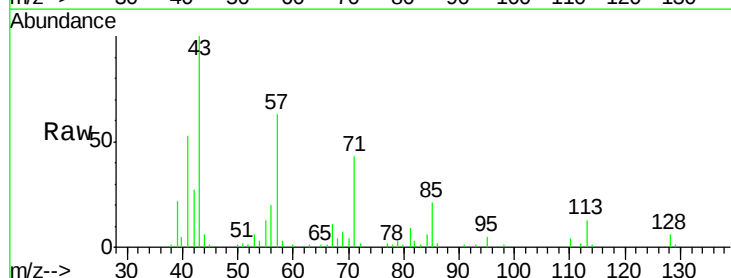
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 35630

Ion Ratio Lower Upper

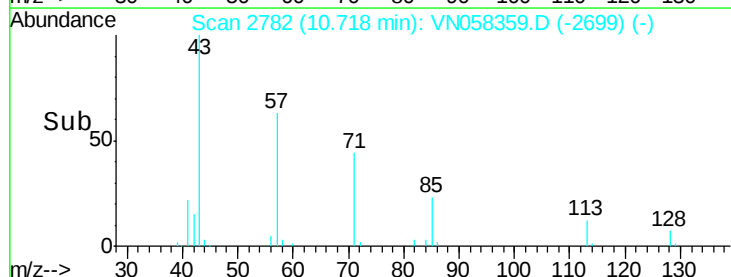
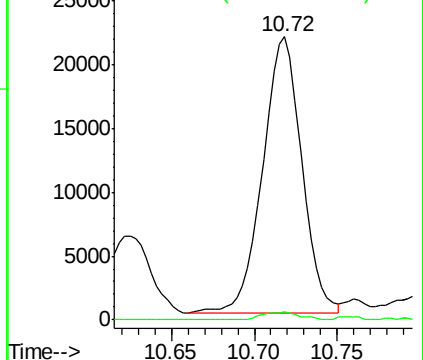
43 100

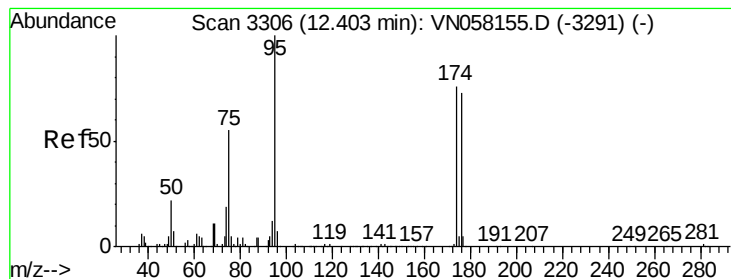
58 2.8 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.545 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampled :

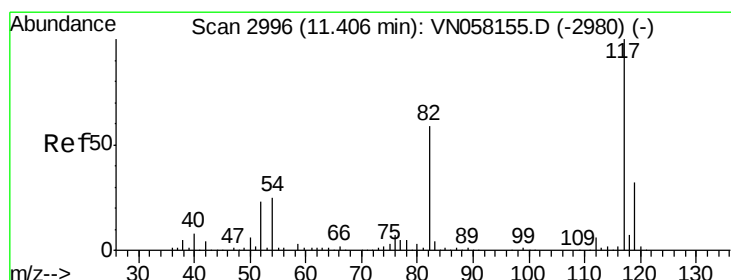
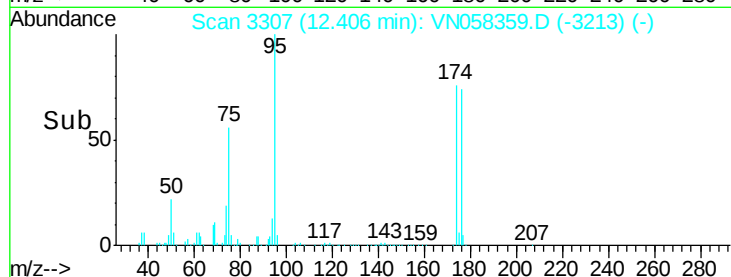
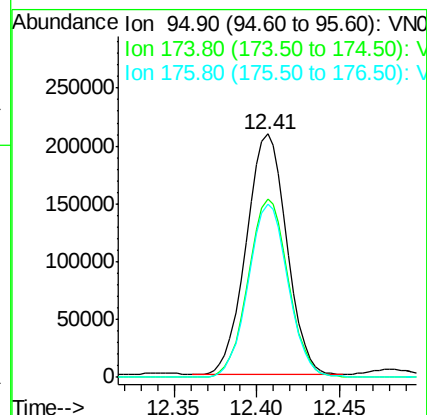
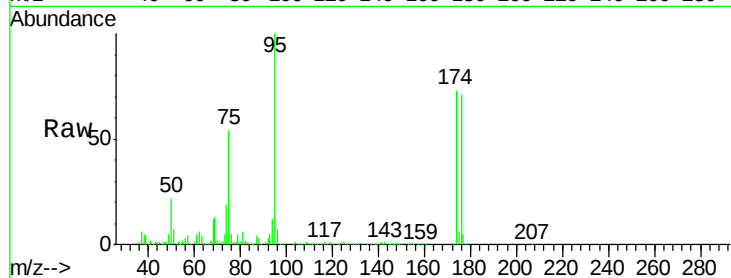
Tot Ion: 95 Resp: 353932

Ion Ratio Lower Upper

95 100

174 73.7 0.0 152.2

176 71.3 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

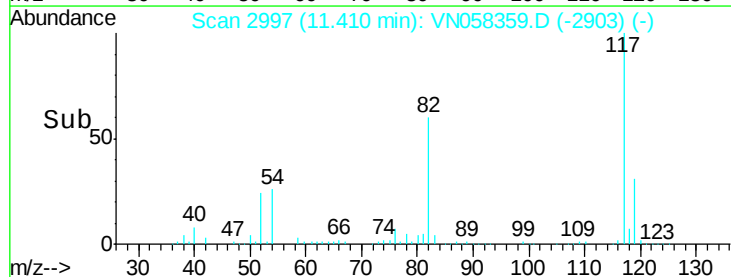
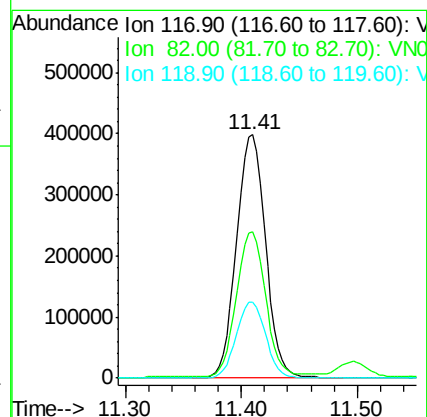
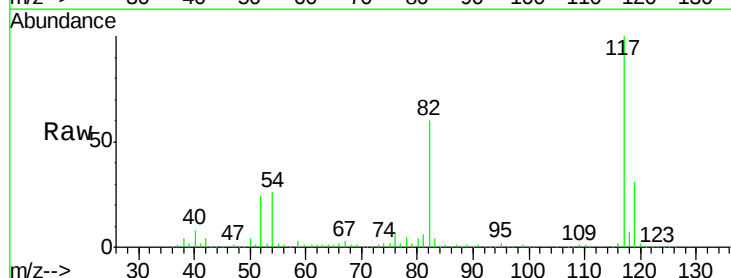
Tgt Ion: 117 Resp: 692883

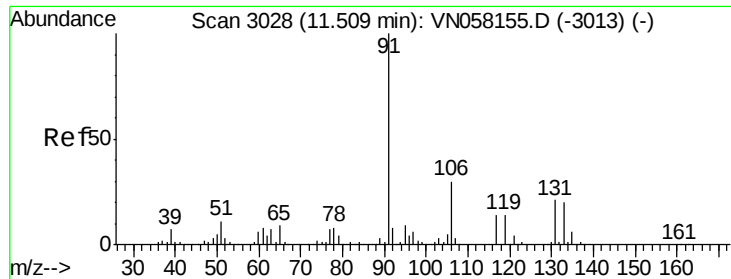
Ion Ratio Lower Upper

117 100

82 59.5 46.9 70.3

119 31.4 25.3 37.9

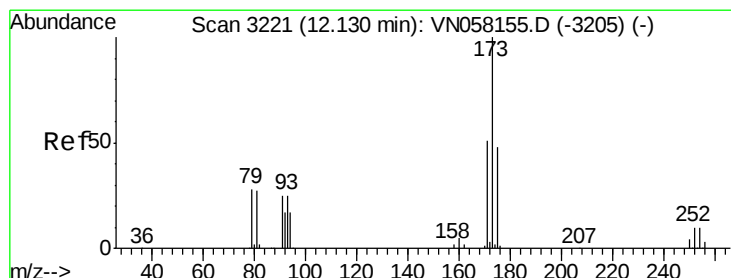
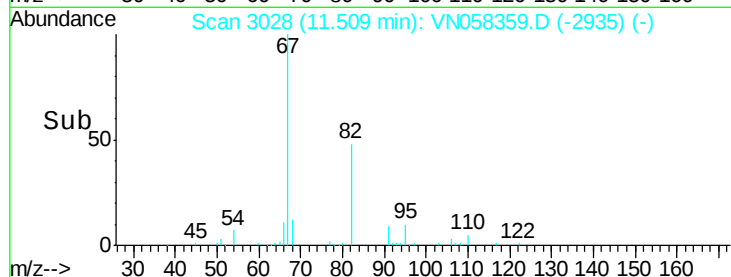
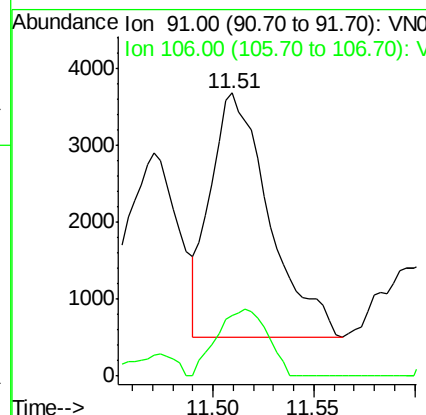
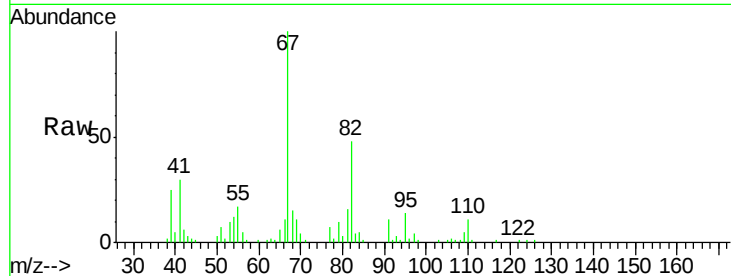




#67  
Ethyl Benzene  
Concen: 0.309 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

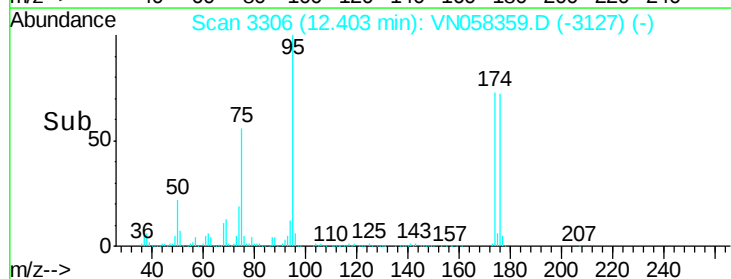
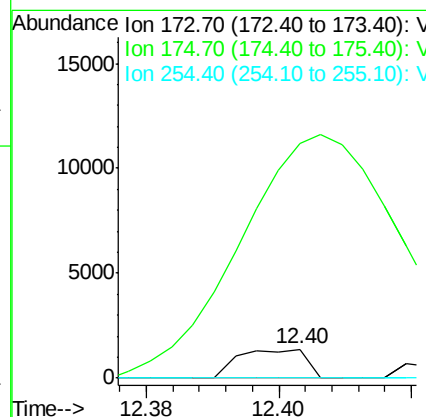
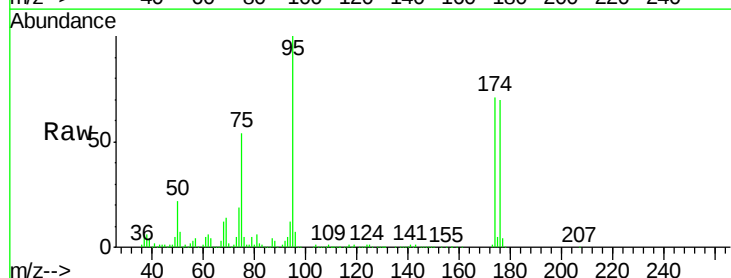
Instrument :  
MSVOA\_N  
ClientSampled :

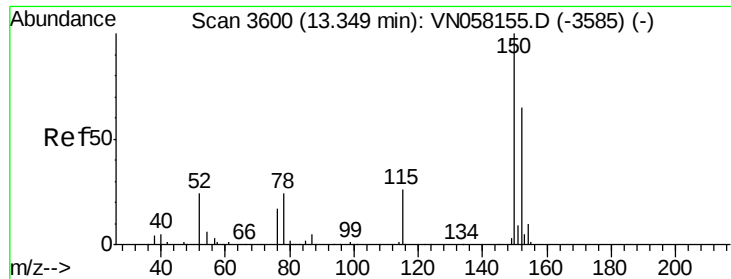
Tot Ion: 91 Resp: 6447  
Ion Ratio Lower Upper  
91 100  
106 24.6 24.0 36.0



#71  
Bromoform  
Concen: 3.865 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.27 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

Tgt Ion: 173 Resp: 954  
Ion Ratio Lower Upper  
173 100  
175 1727.5 24.2 72.6#  
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampled :

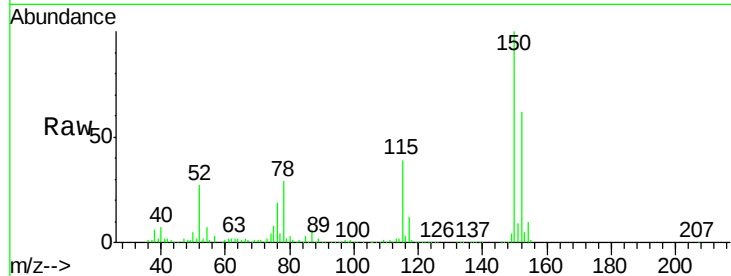
Tot Ion:152 Resp: 305257

Ion Ratio Lower Upper

152 100

115 62.1 30.1 90.3

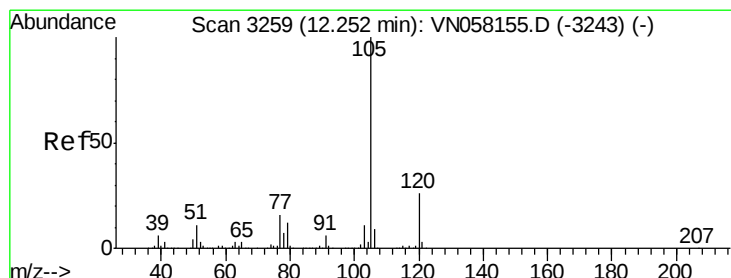
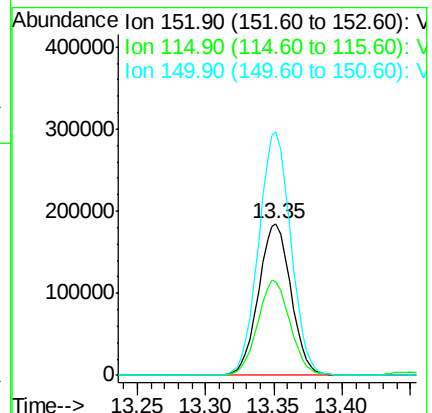
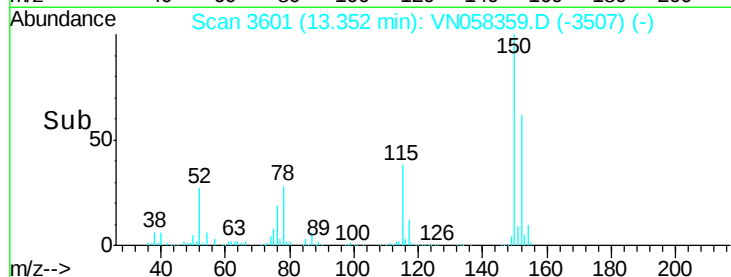
150 159.5 0.0 346.4



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: 25.336 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058359.D

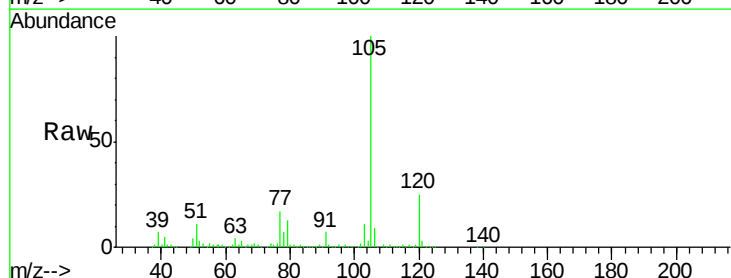
Acq: 25 Sep 2019 12:14

Tgt Ion:105 Resp: 484107

Ion Ratio Lower Upper

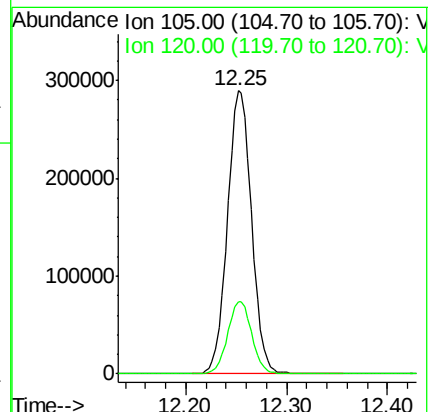
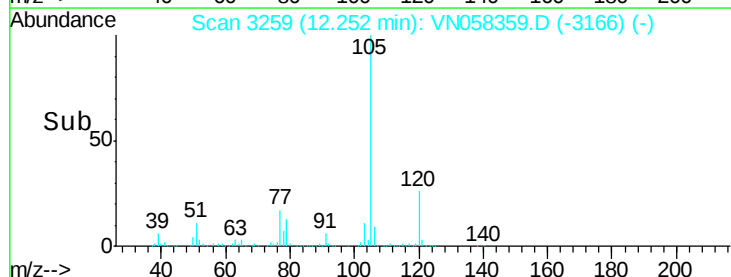
105 100

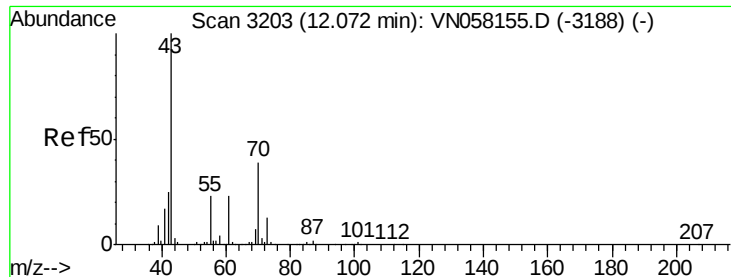
120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 3.871 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN058359.D

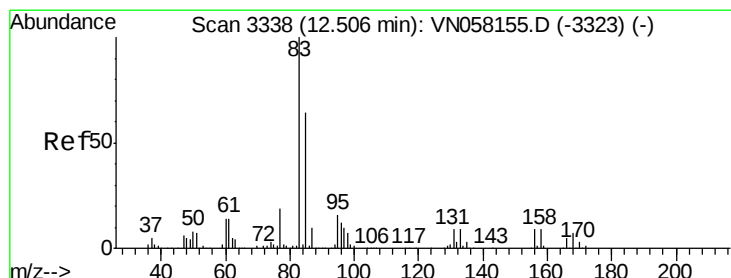
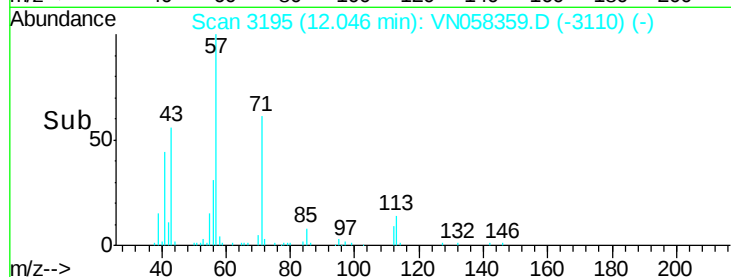
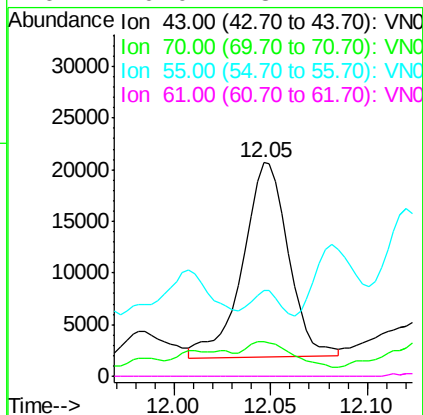
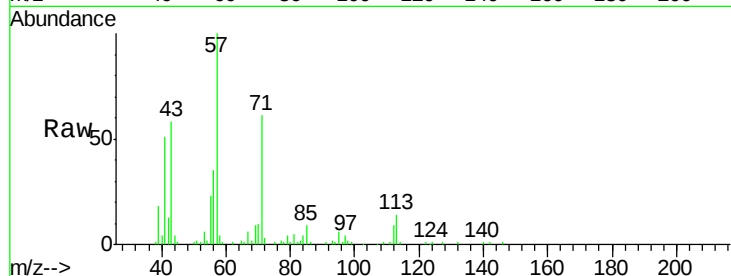
Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 30941 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 13.1  | 31.0  | 46.6# |
| 55       | 7.0   | 18.5  | 27.7# |
| 61       | 0.0   | 18.2  | 27.2# |



#75

1,1,2,2-Tetrachloroethane

Concen: 0.493 ug/l

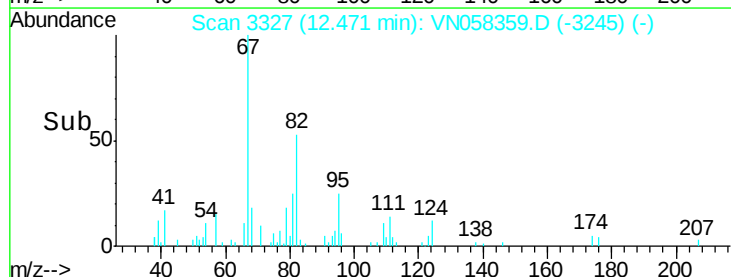
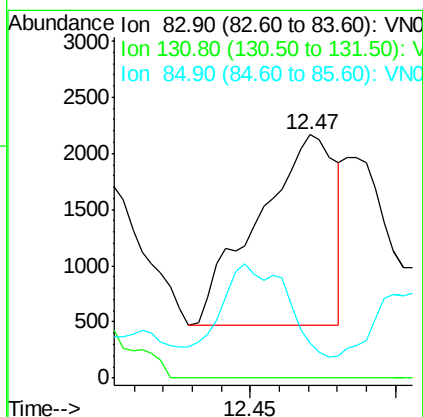
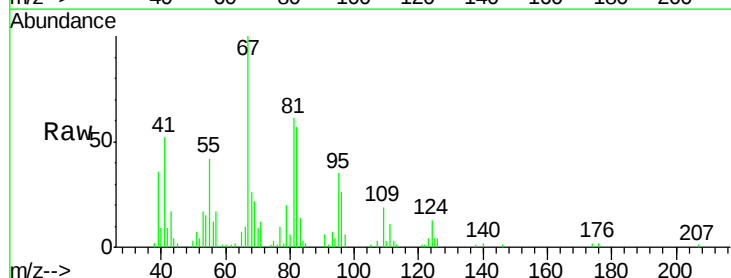
RT: 12.47 min Scan# 3327

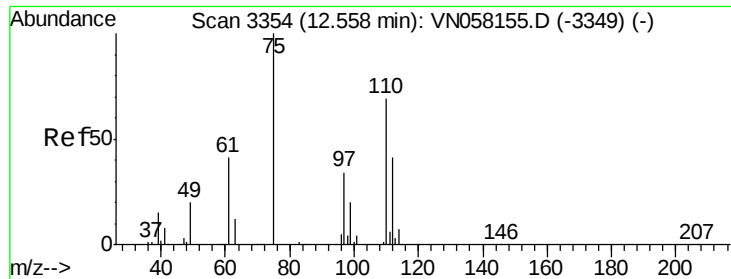
Delta R.T. -0.04 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3156  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 0.0   | 4.8   | 14.3# |
| 85       | 0.0   | 31.9  | 95.5# |



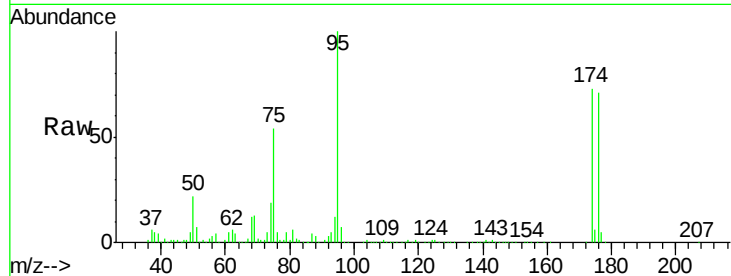


#76

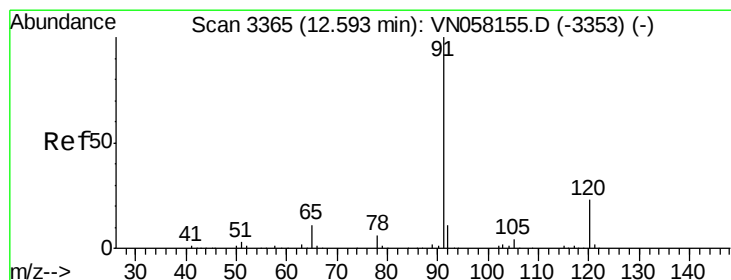
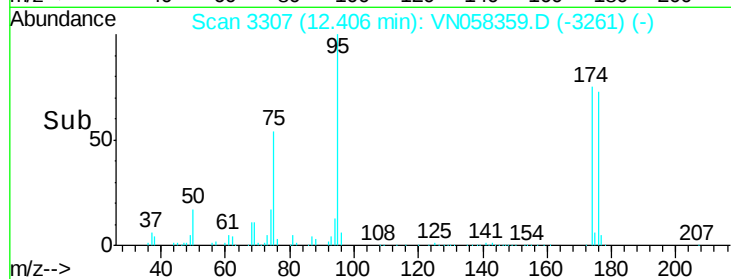
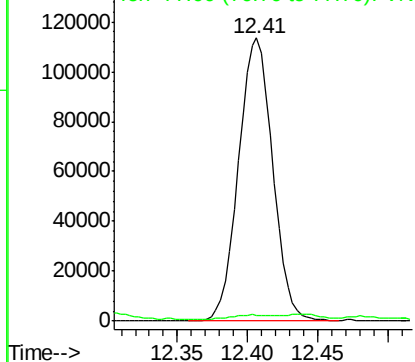
1,2,3-Trichloropropane  
Concen: 35.338 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. -0.15 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 75 Resp: 193057  
Ion Ratio Lower Upper  
75 100  
77 1.9 0.0 0.0#



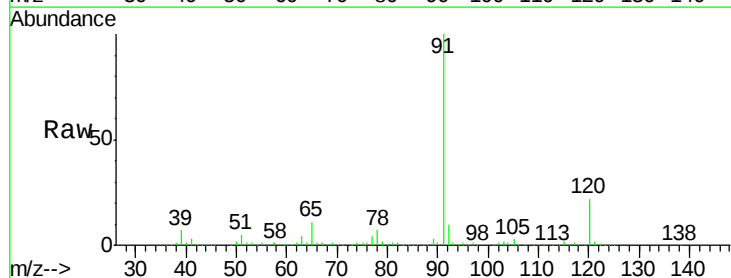
Abundance Ion 74.90 (74.60 to 75.60): VN0  
Ion 77.00 (76.70 to 77.70): VN0



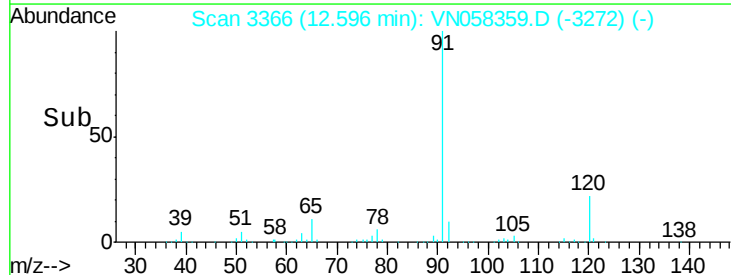
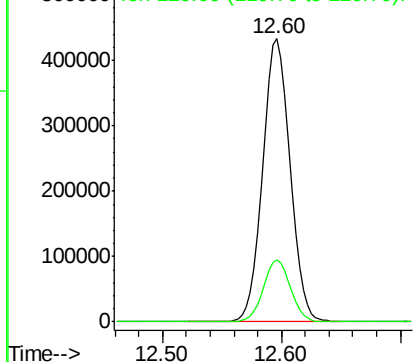
#78

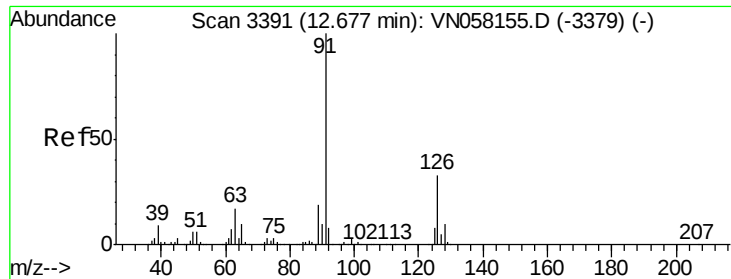
n-propylbenzene  
Concen: 31.751 ug/l  
RT: 12.60 min Scan# 3366  
Delta R.T. 0.00 min  
Lab File: VN058359.D  
Acq: 25 Sep 2019 12:14

Tgt Ion: 91 Resp: 689389  
Ion Ratio Lower Upper  
91 100  
120 21.7 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: 50.804 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

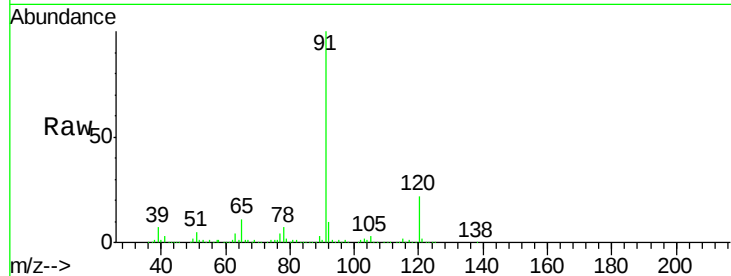
ClientSampleId :

Tot Ion: 91 Resp: 689389

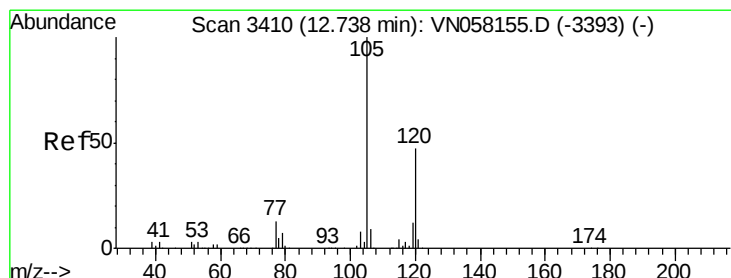
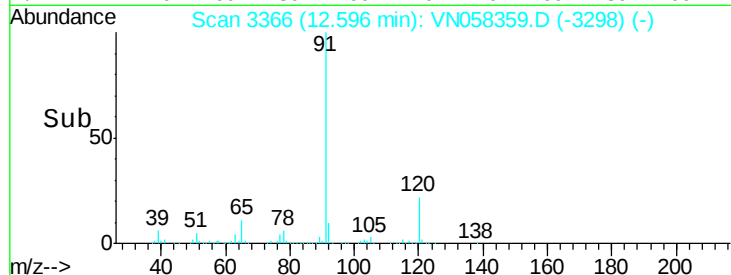
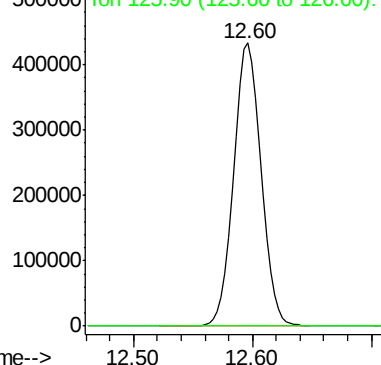
Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.048 ug/l

RT: 12.90 min Scan# 3460

Delta R.T. 0.16 min

Lab File: VN058359.D

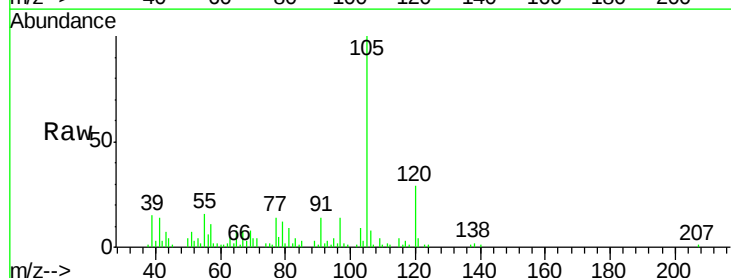
Acq: 25 Sep 2019 12:14

Tgt Ion: 105 Resp: 49253

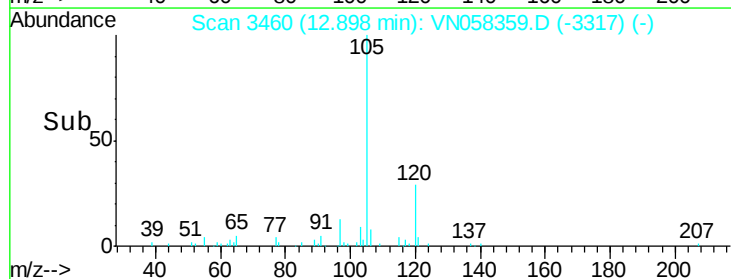
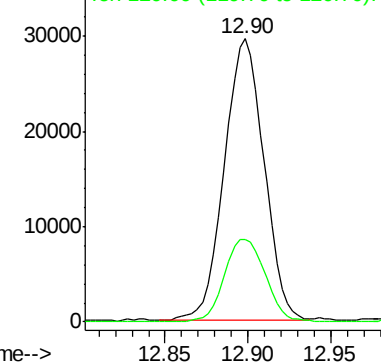
Ion Ratio Lower Upper

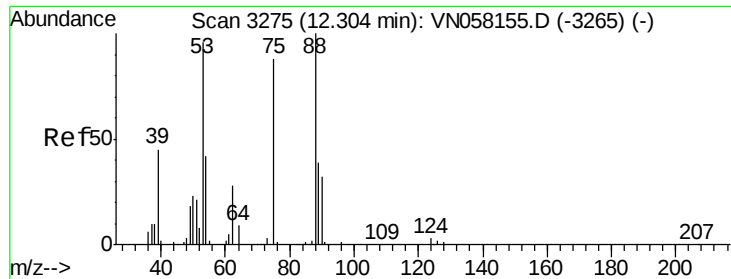
105 100

120 30.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 8.725 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampleId :

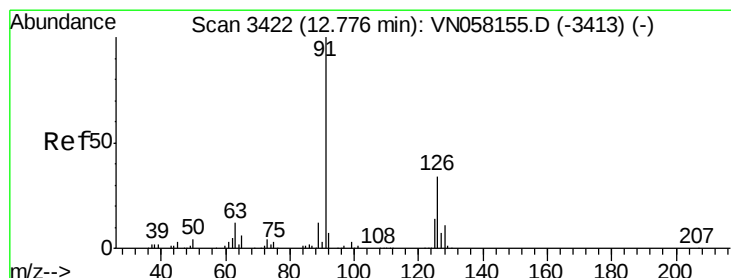
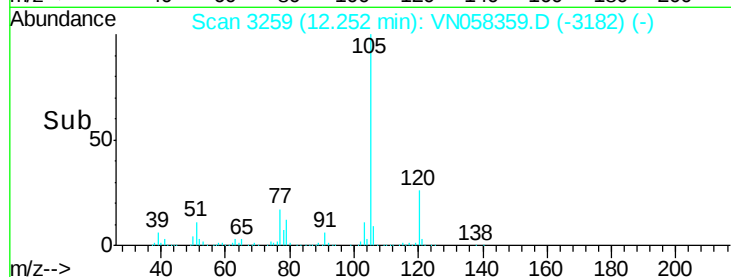
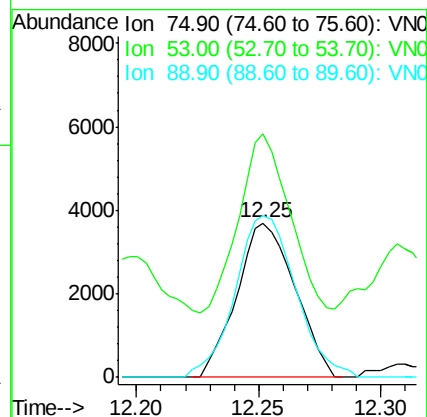
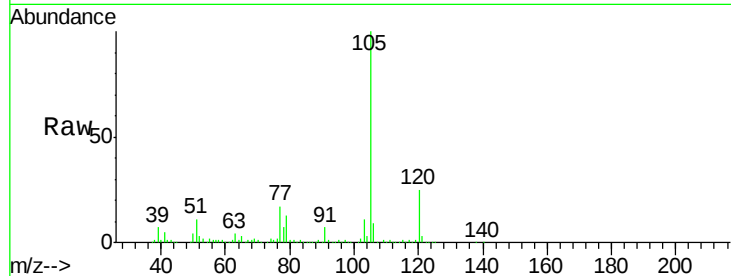
Tot Ion: 75 Resp: 6112

Ion Ratio Lower Upper

75 100

53 101.6 90.1 135.1

89 109.4 36.2 54.2#



#82

4-Chlorotoluene

Concen: 48.331 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.18 min

Lab File: VN058359.D

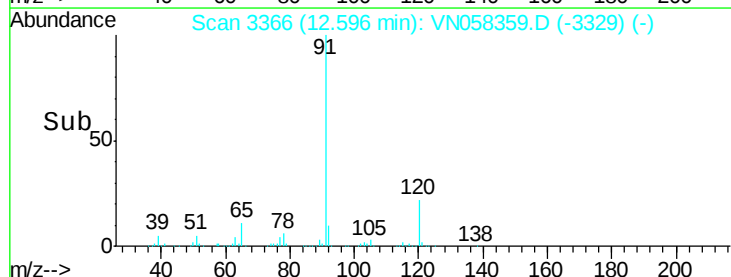
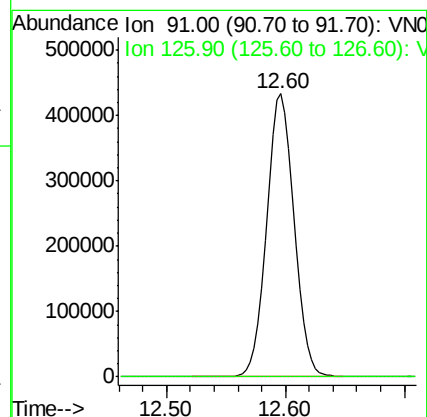
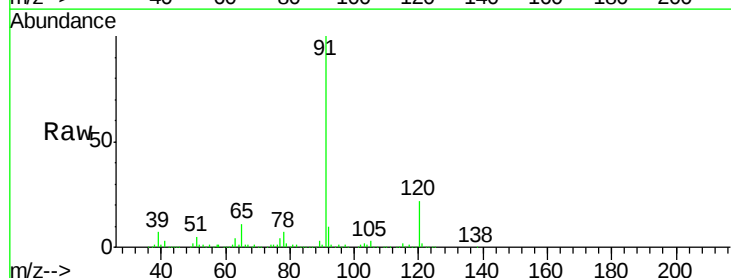
Acq: 25 Sep 2019 12:14

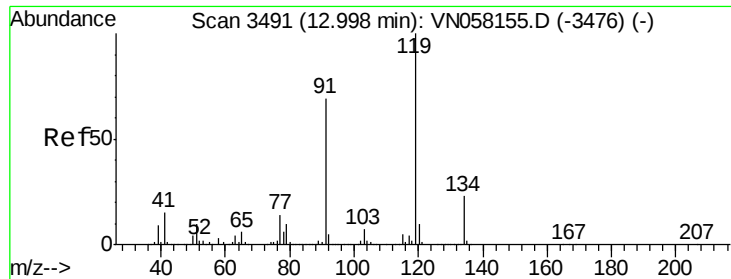
Tgt Ion: 91 Resp: 689389

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#





#83

tert-Butylbenzene

Concen: 0.885 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

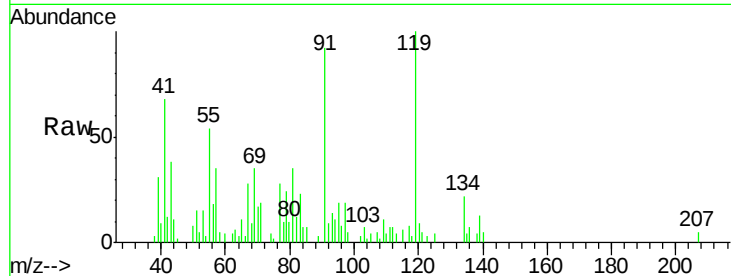
Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampled :



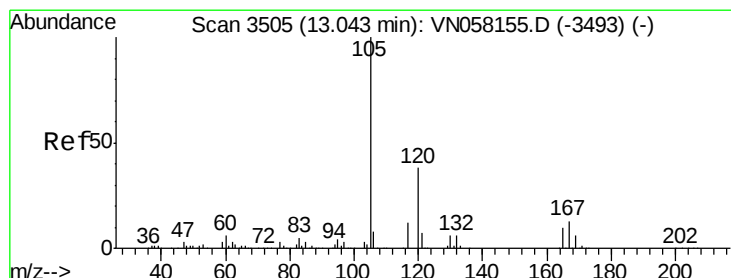
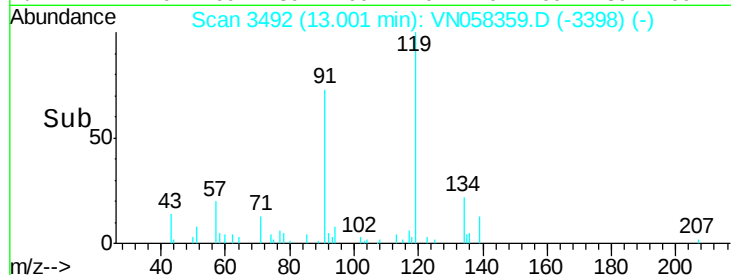
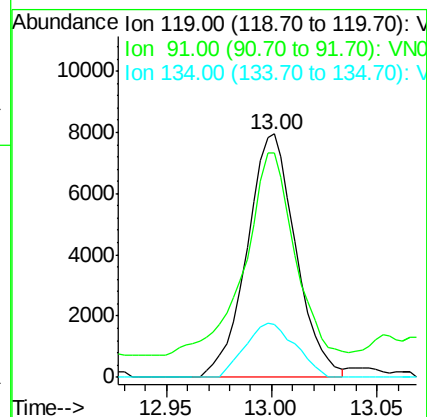
Tot Ion:119 Resp: 12756

Ion Ratio Lower Upper

119 100

91 85.0 33.8 101.3

134 23.0 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 3.063 ug/l

RT: 12.90 min Scan# 3460

Delta R.T. -0.14 min

Lab File: VN058359.D

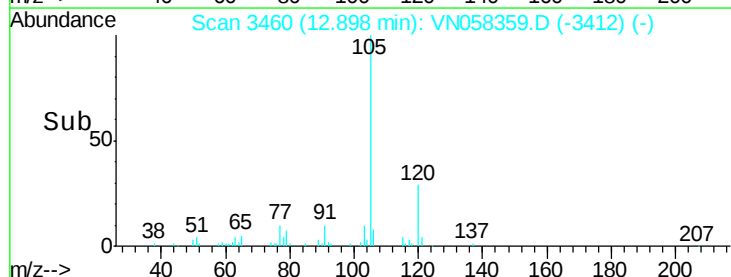
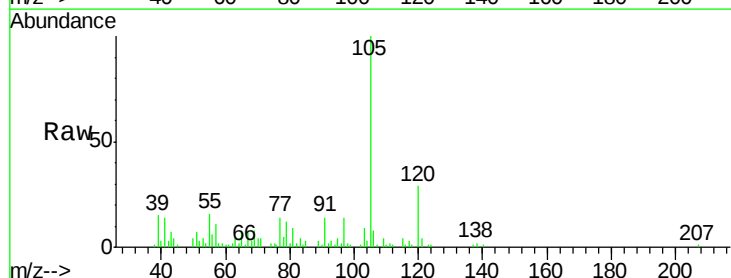
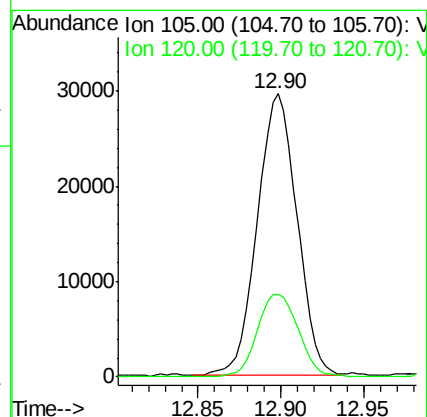
Acq: 25 Sep 2019 12:14

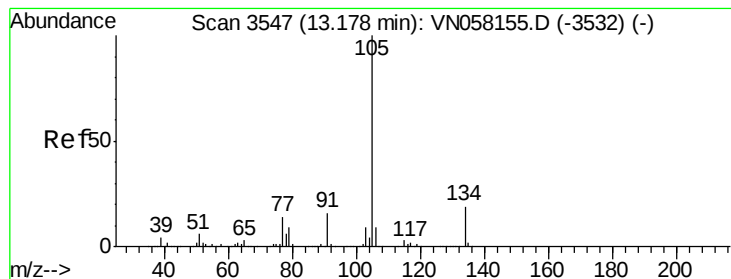
Tgt Ion:105 Resp: 49253

Ion Ratio Lower Upper

105 100

120 30.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 7.543 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

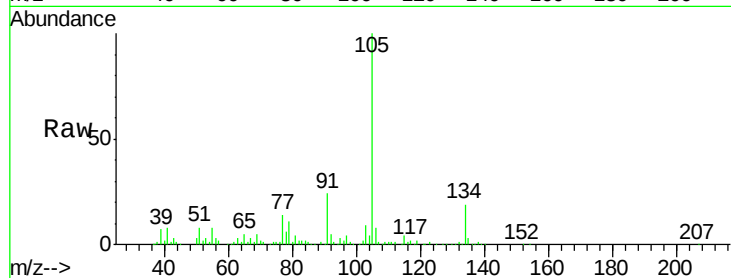
ClientSampled :

Tot Ion:105 Resp: 142117

Ion Ratio Lower Upper

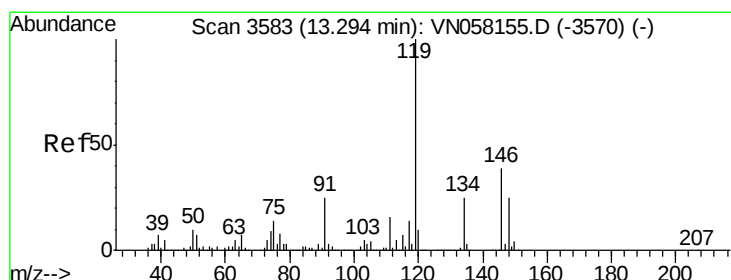
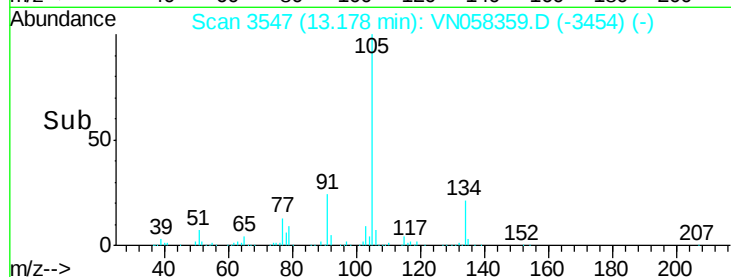
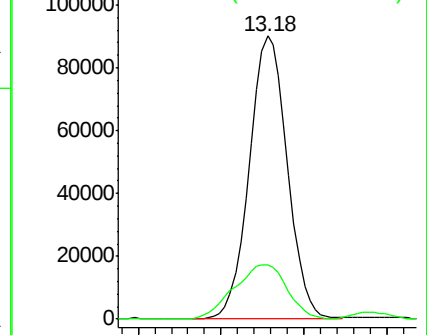
105 100

134 26.9 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.367 ug/l

RT: 13.45 min Scan# 3631

Delta R.T. 0.15 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

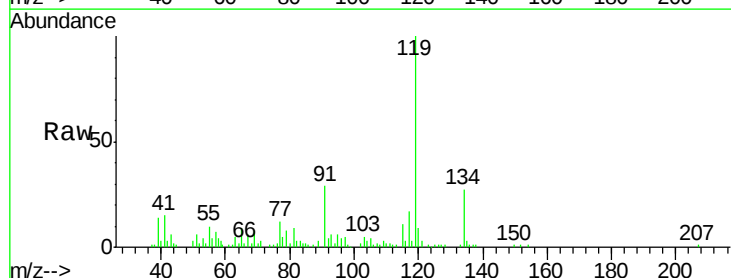
Tgt Ion:119 Resp: 56403

Ion Ratio Lower Upper

119 100

134 27.0 12.7 38.0

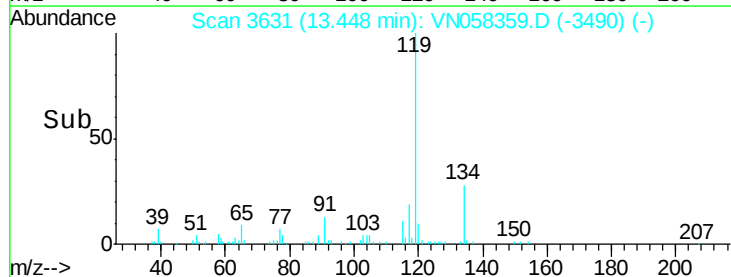
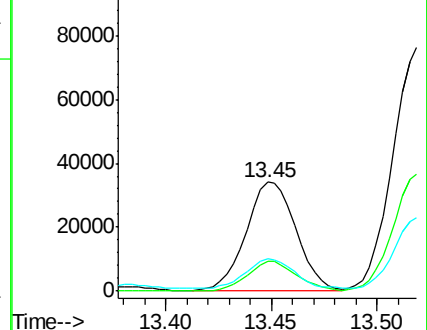
91 25.6 12.3 36.8

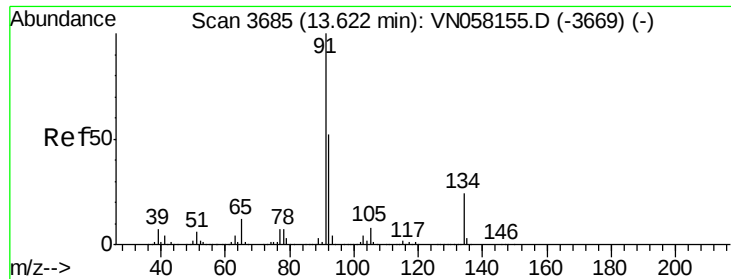


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 6.817 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA\_N

ClientSampleId :

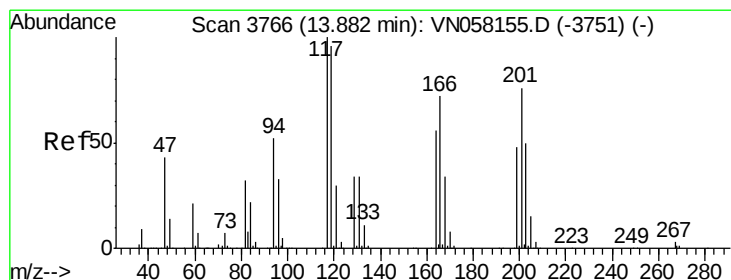
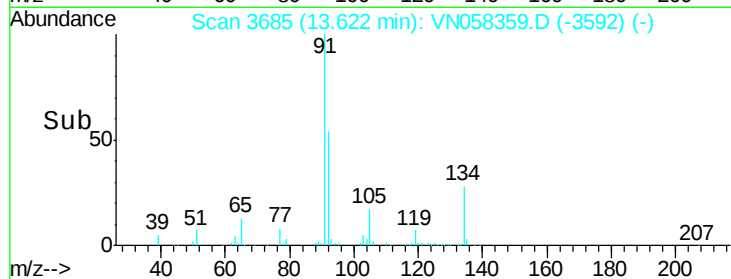
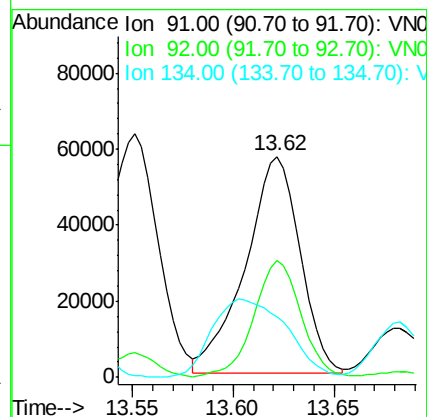
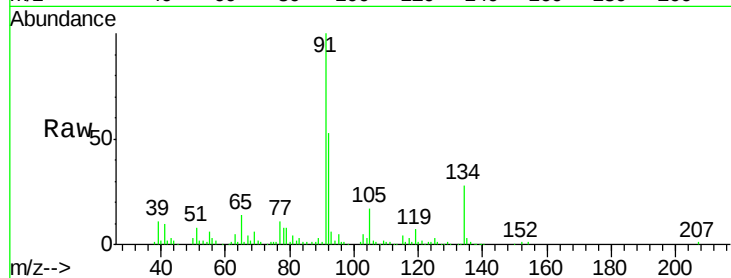
Tot Ion: 91 Resp: 108258

Ion Ratio Lower Upper

91 100

92 45.8 25.7 77.0

134 48.9 11.8 35.4#



#90

Hexachloroethane

Concen: 18.043 ug/l

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN058359.D

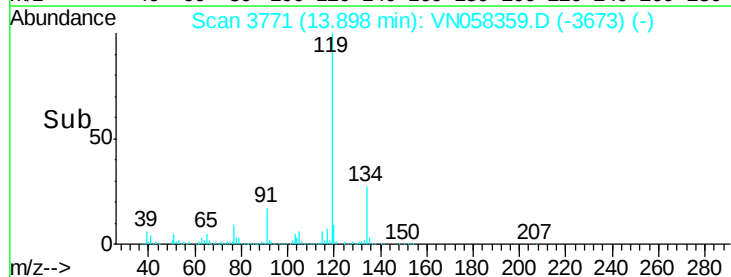
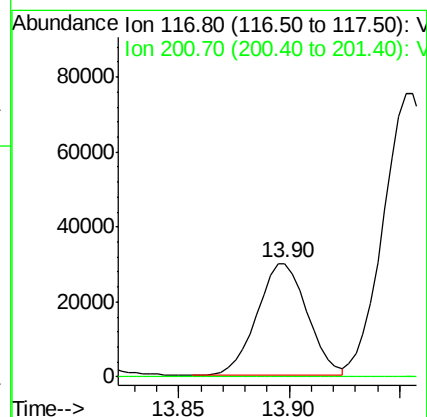
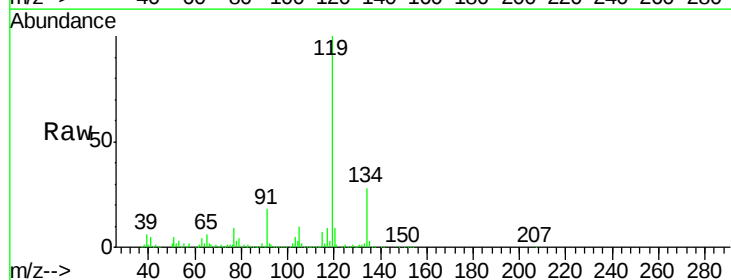
Acq: 25 Sep 2019 12:14

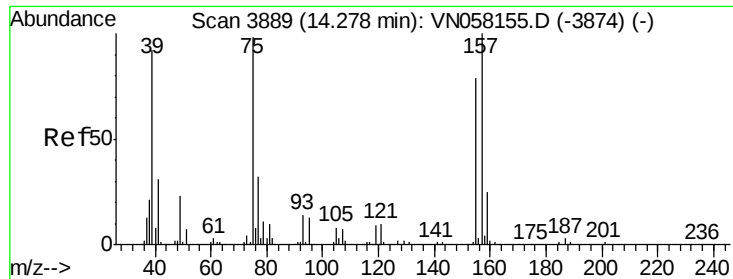
Tgt Ion: 117 Resp: 47383

Ion Ratio Lower Upper

117 100

201 0.0 37.5 112.5#

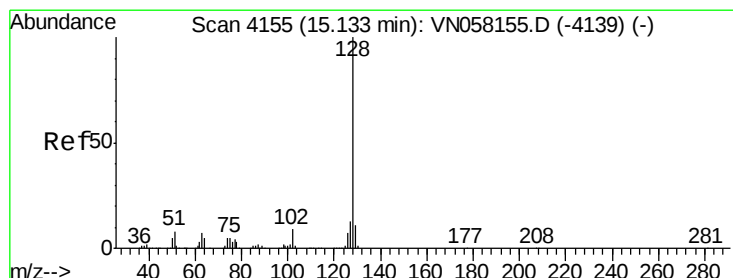
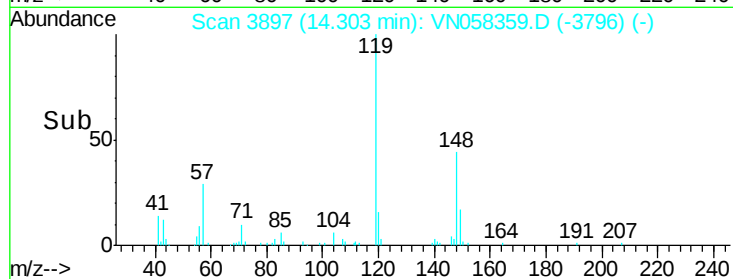
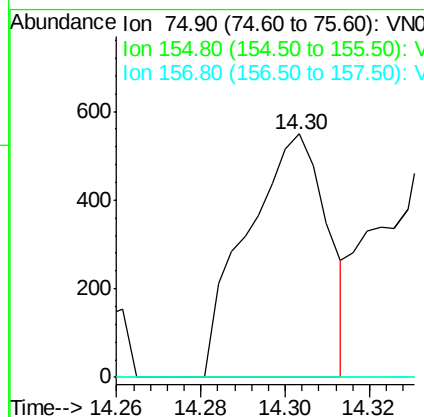
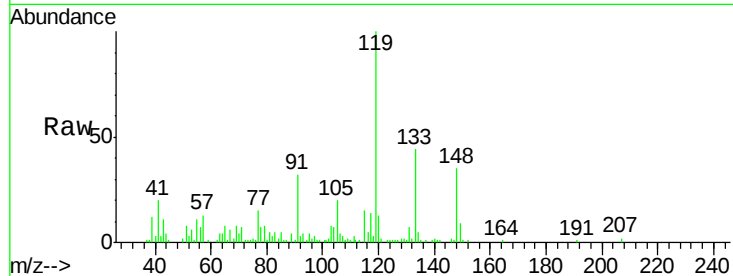




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.632 ug/l  
 RT: 14.30 min Scan# 3897  
 Delta R.T. 0.03 min  
 Lab File: VN058359.D  
 Acq: 25 Sep 2019 12:14

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion: 75 Resp: 728  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 38.3 114.8#  
 157 0.0 48.0 144.0#



#95  
 Naphthalene  
 Concen: 0.394 ug/l  
 RT: 15.14 min Scan# 4156  
 Delta R.T. 0.00 min  
 Lab File: VN058359.D  
 Acq: 25 Sep 2019 12:14

Tgt Ion: 128 Resp: 5741  
 Ion Ratio Lower Upper  
 128 100  
 127 9.7 10.2 15.2#  
 129 0.0 8.6 12.8#

