

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\  
 Data File : VN049358.D  
 Acq On : 18 Jun 2018 21:40  
 Operator : MD\SY  
 Sample : J3523-07ME  
 Misc : 4.01µL/5mL/100µL/5mL/MSVOA\_N/MEOH  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 19 01:36:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1158507  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1864111  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1574395  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 656112   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 772611   | 50.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.56% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 679466   | 45.05 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.10%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2531215  | 44.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.16%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 775581   | 40.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 81.70%  |          |

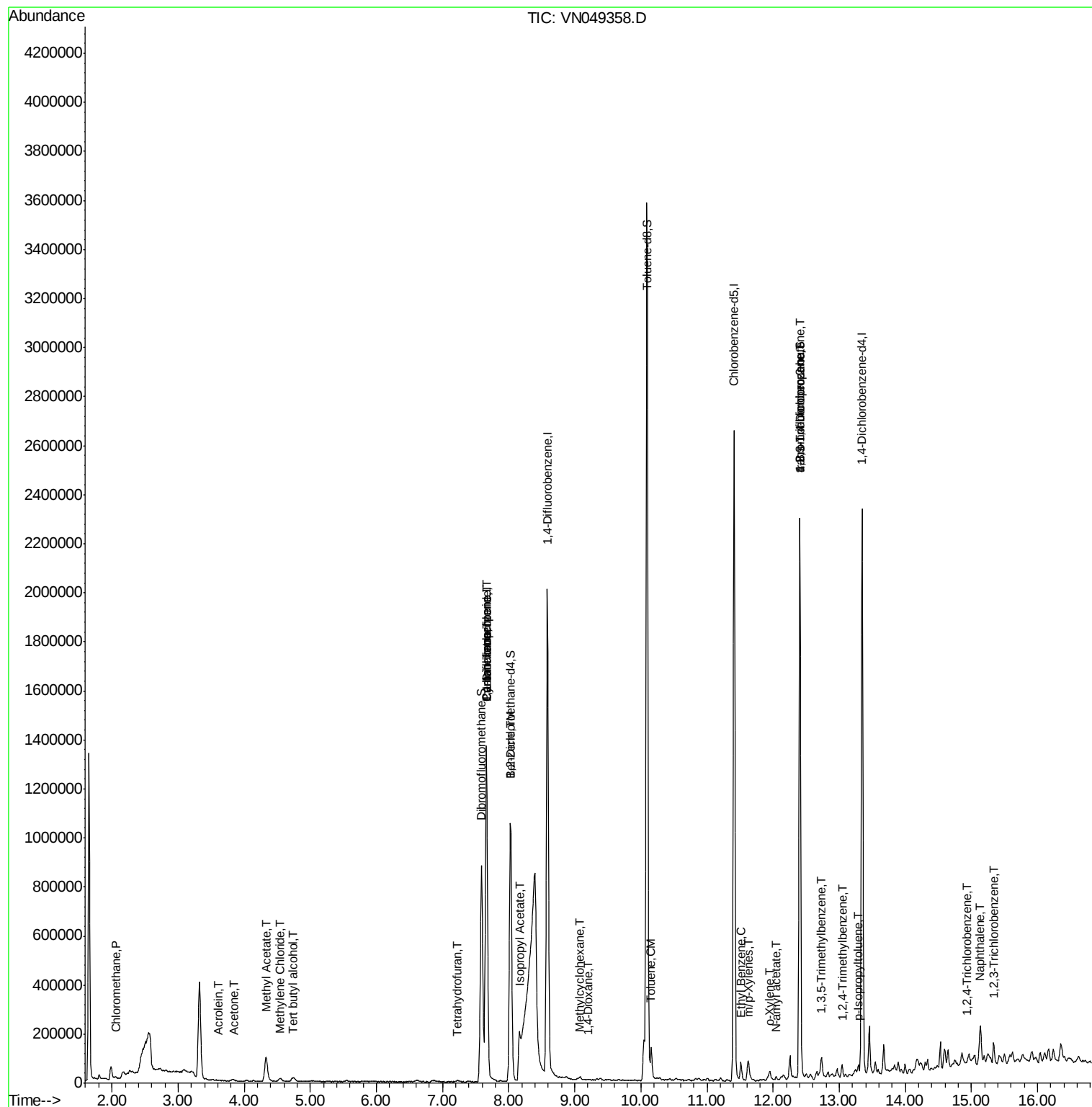
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 2.05  | 50   | 3597     | 0.21      | ug/l   | 89     |
| 11) Tert butyl alcohol         | 4.75  | 59   | 15988    | 17.73     | ug/l # | 72     |
| 13) Acrolein                   | 3.60  | 56   | 332      | 0.35      | ug/l # | 55     |
| 16) Acetone                    | 3.84  | 43   | 5534     | 1.48      | ug/l # | 81     |
| 18) Methyl Acetate             | 4.33  | 43   | 201951   | 17.75     | ug/l   | 94     |
| 20) Methylene Chloride         | 4.54  | 84   | 7495     | 0.48      | ug/l   | 83     |
| 29) Tetrahydrofuran            | 7.21  | 42   | 1226     | 0.38      | ug/l # | 83     |
| 31) Cyclohexane                | 7.66  | 56   | 22950    | 0.84      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 79532    | 3.72      | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 105139   | 4.75      | ug/l # | 17     |
| 39) Methylcyclohexane          | 9.08  | 83   | 4765     | 0.21      | ug/l # | 79     |
| 40) Benzene                    | 8.04  | 78   | 228219   | 3.48      | ug/l   | 99     |
| 43) Isopropyl Acetate          | 8.16  | 43   | 140627   | 6.34      | ug/l # | 64     |
| 49) 1,4-Dioxane                | 9.20  | 88   | 421      | 2.92      | ug/l # | 62     |
| 52) Toluene                    | 10.16 | 92   | 46147    | 1.20      | ug/l   | 98     |
| 67) Ethyl Benzene              | 11.51 | 91   | 53699    | 0.80      | ug/l   | 98     |
| 68) m/p-Xylenes                | 11.62 | 106  | 23476    | 0.93      | ug/l   | 97     |
| 69) o-Xylene                   | 11.95 | 106  | 8276     | 0.34      | ug/l   | 89     |
| 74) N-amyl acetate             | 12.04 | 43   | 3346     | 0.24      | ug/l # | 83     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 317      | Below Cal | #      | 50     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 375523   | 33.54     | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 10702    | 0.24      | ug/l   | 90     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 375523   | 106.02    | ug/l # | 9      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 27777    | 0.62      | ug/l   | 95     |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 17380    | 0.39      | ug/l   | 96     |
| 90) Hexachloroethane           | 13.89 | 117  | 1751     | Below Cal | #      | 9      |
| 93) 1,2,4-Trichlorobenzene     | 14.93 | 180  | 278      | 4.77      | ug/l # | 72     |
| 95) Naphthalene                | 15.14 | 128  | 124889   | 8.82      | ug/l   | 99     |
| 96) 1,2,3-Trichlorobenzene     | 15.33 | 180  | 491      | 3.50      | ug/l # | 74     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061818\  
Data File : VN049358.D  
Acq On : 18 Jun 2018 21:40  
Operator : MD\SY  
Sample : J3523-07ME  
Misc : 4.01µL/5mL/100µL/5mL/MSVOA\_N/MEOH  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 19 01:36:15 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

MSVOA\_N

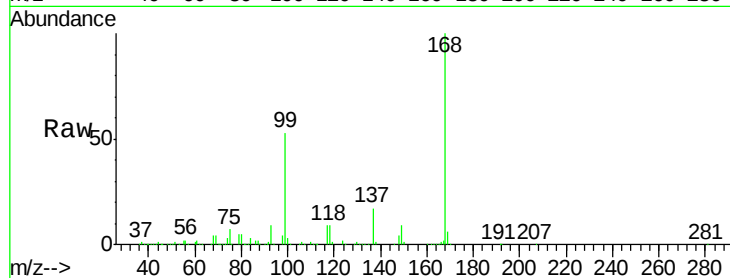
ClientSampleId :

Tot Ion:168 Resp: 1158507

Ion Ratio Lower Upper

168 100

99 52.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

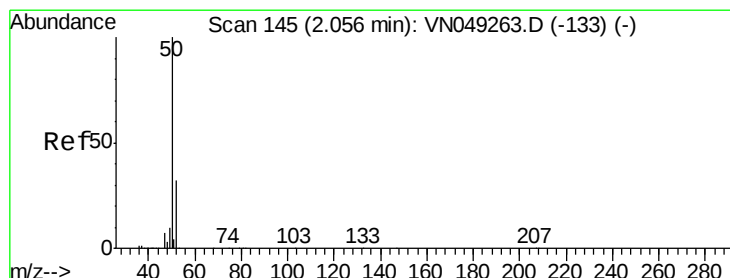
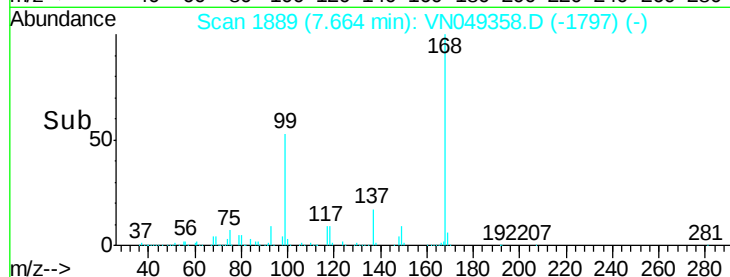
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049358.D

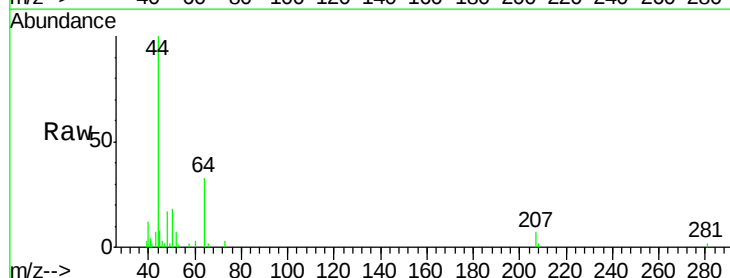
Acq: 18 Jun 2018 21:40

Tgt Ion: 50 Resp: 3597

Ion Ratio Lower Upper

50 100

52 37.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.05

2000

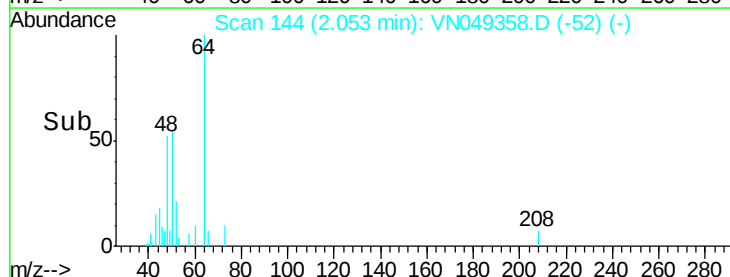
1500

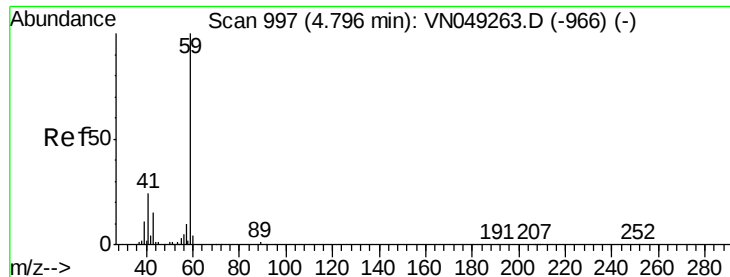
1000

500

0

Time-->



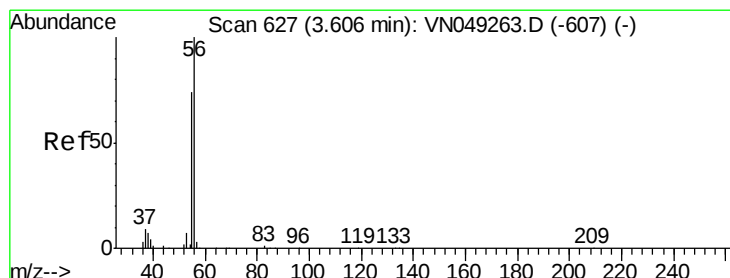
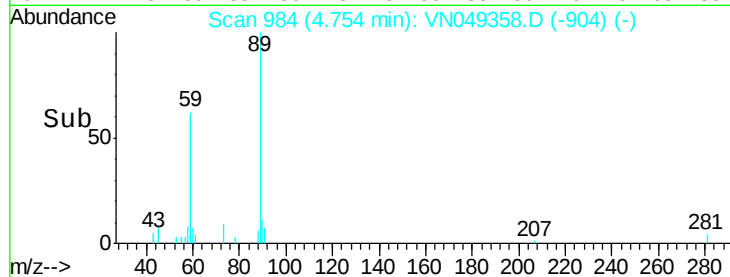
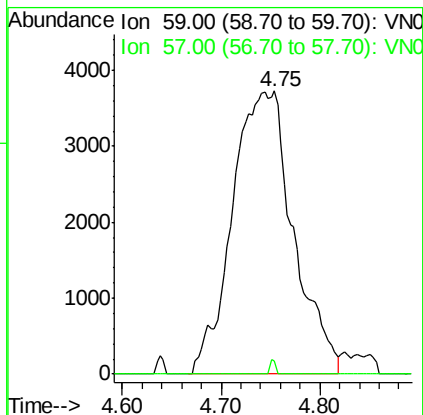
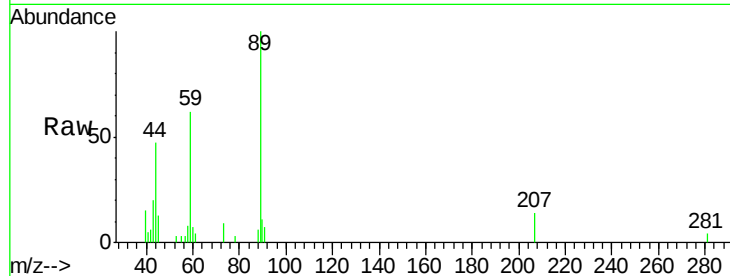


#11

Tert butyl alcohol  
 Concen: 17.73 ug/l  
 RT: 4.75 min Scan# 984  
 Delta R.T. -0.04 min  
 Lab File: VN049358.D  
 Acq: 18 Jun 2018 21:40

Instrument :  
 MSVOA\_N  
 ClientSampled :

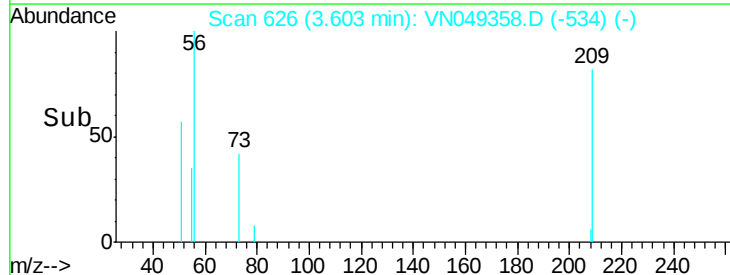
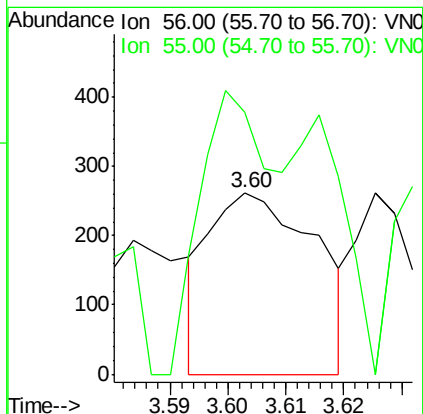
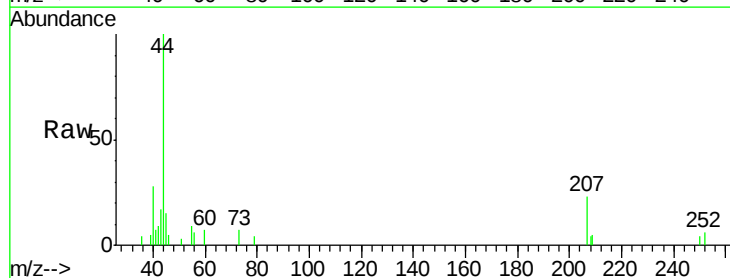
Tot Ion: 59 Resp: 15988  
 Ion Ratio Lower Upper  
 59 100  
 57 0.4 9.0 13.6#

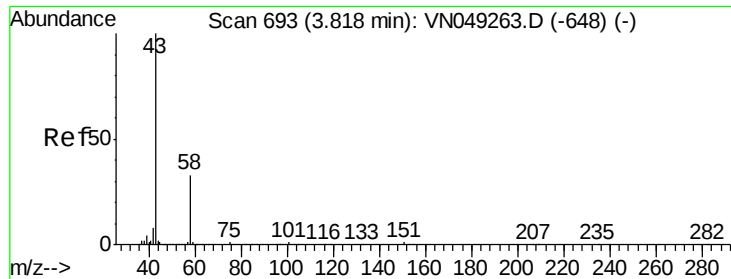


#13

Acrolein  
 Concen: 0.35 ug/l  
 RT: 3.60 min Scan# 626  
 Delta R.T. -0.00 min  
 Lab File: VN049358.D  
 Acq: 18 Jun 2018 21:40

Tgt Ion: 56 Resp: 332  
 Ion Ratio Lower Upper  
 56 100  
 55 108.4 57.1 85.7#





#16

Acetone

Concen: 1.48 ug/l

RT: 3.84 min Scan# 699

Delta R.T. 0.02 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

MSVOA\_N

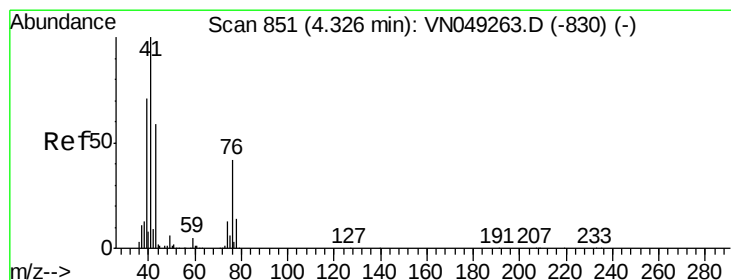
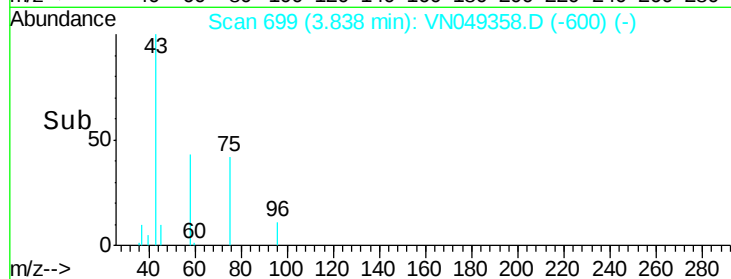
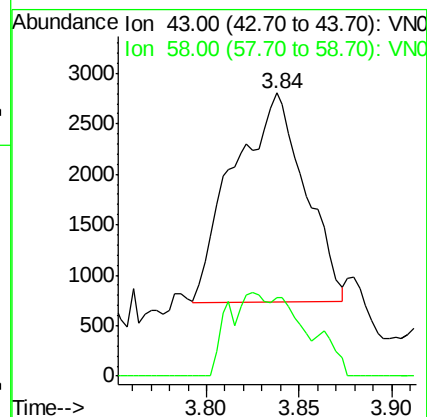
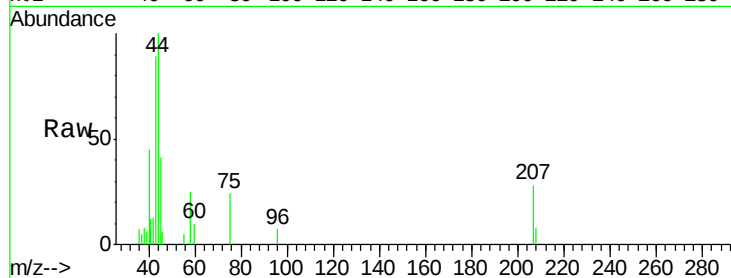
ClientSampled :

Tot Ion: 43 Resp: 5534

Ion Ratio Lower Upper

43 100

58 37.9 22.4 33.6#



#18

Methyl Acetate

Concen: 17.75 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049358.D

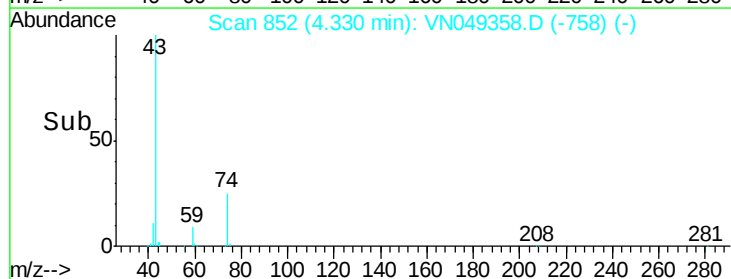
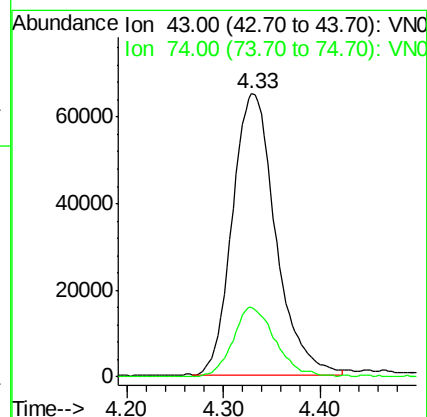
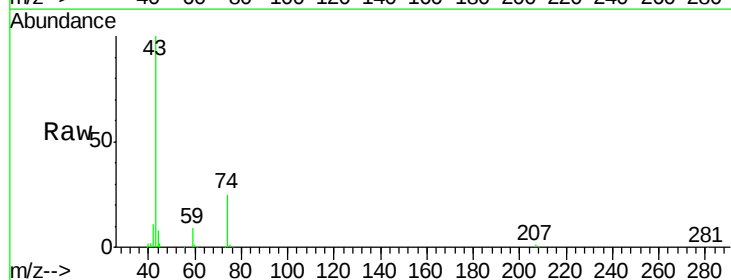
Acq: 18 Jun 2018 21:40

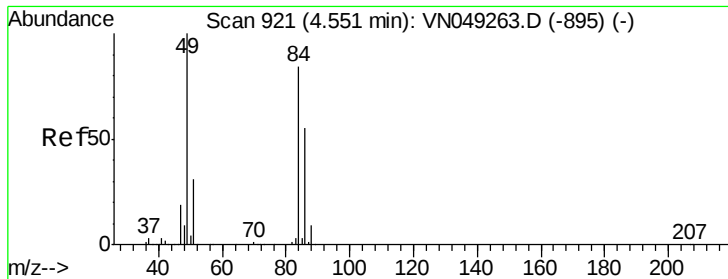
Tgt Ion: 43 Resp: 201951

Ion Ratio Lower Upper

43 100

74 24.4 17.4 26.0

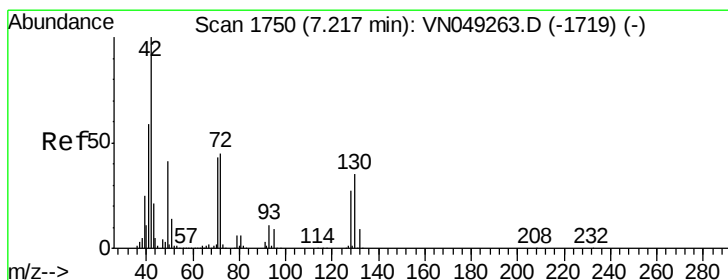
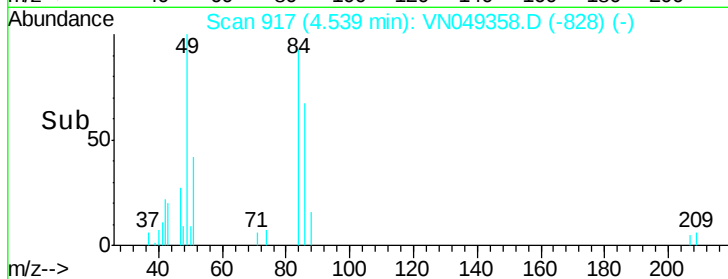
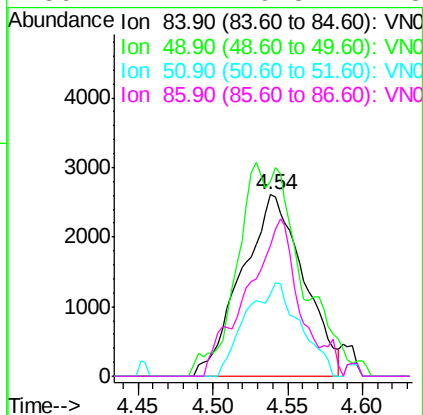
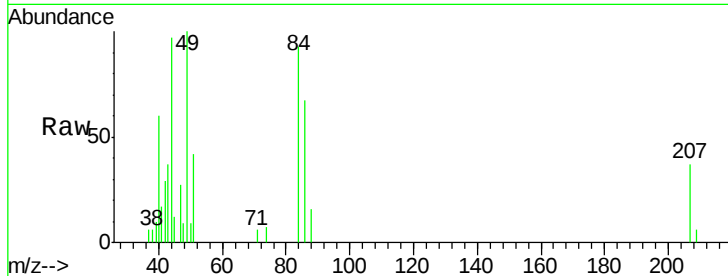




#20  
Methvlene Chloride  
Concen: 0.48 ug/l  
RT: 4.54 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

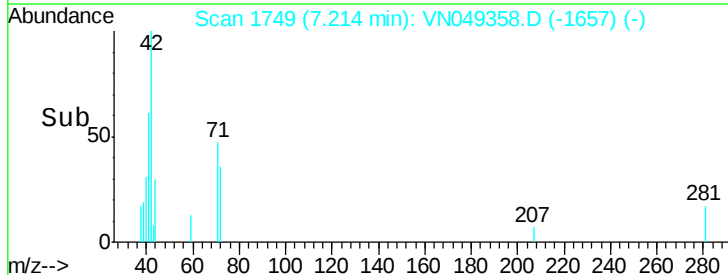
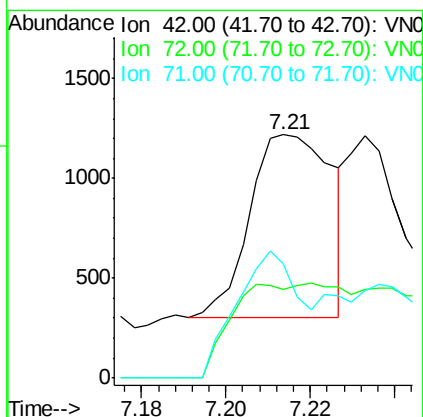
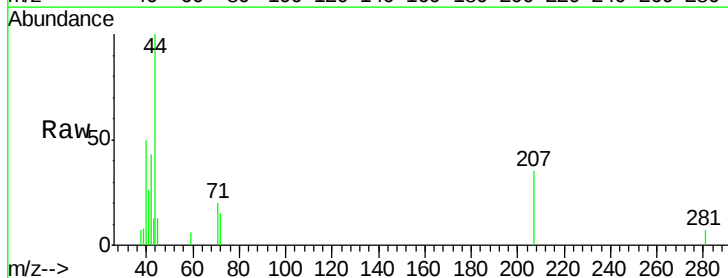
Instrument :  
MSVOA\_N  
ClientSampleId :

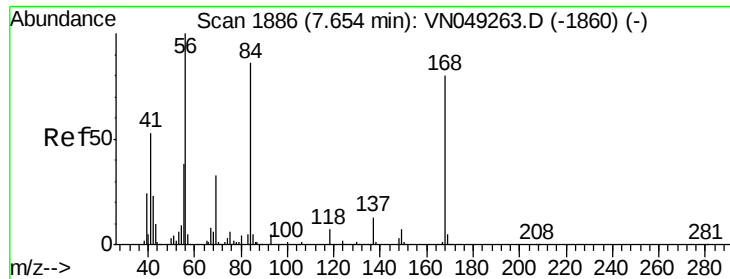
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 7495  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.4 | 106.9 | 160.3 |
| 51       | 45.1  | 32.7  | 49.1  |
| 86       | 72.4  | 49.8  | 74.8  |



#29  
Tetrahydrofuran  
Concen: 0.38 ug/l  
RT: 7.21 min Scan# 1749  
Delta R.T. -0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1226  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 35.4  | 32.2  | 48.4  |
| 71       | 54.0  | 30.5  | 45.7# |

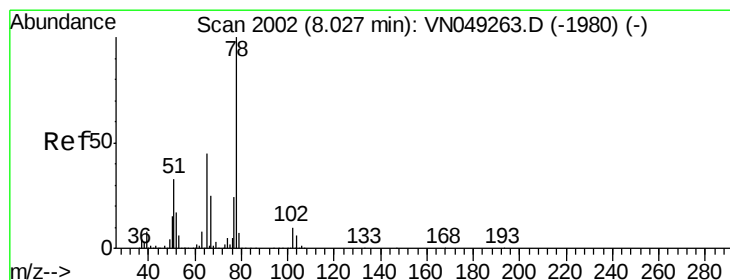
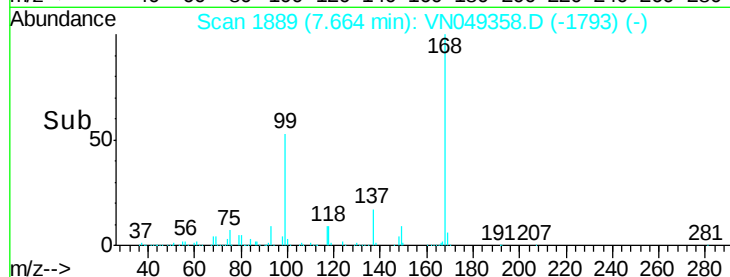
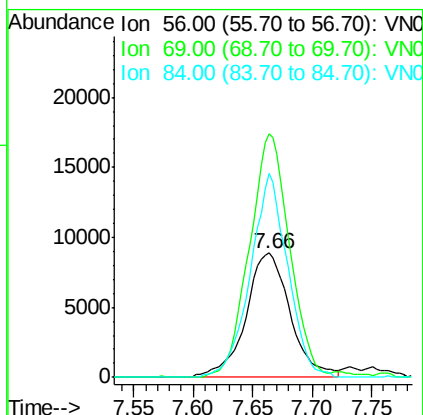
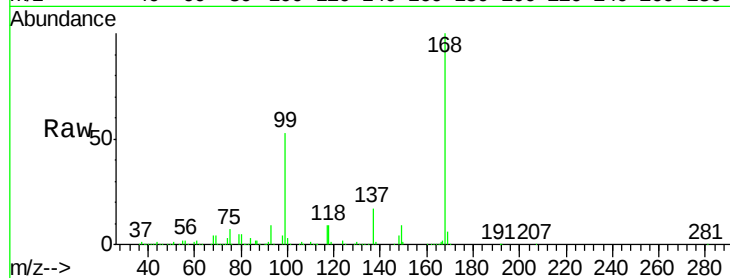




#31  
Cyclohexane  
Concen: 0.84 ug/l  
RT: 7.66 min Scan# 1889  
Delta R.T. 0.01 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

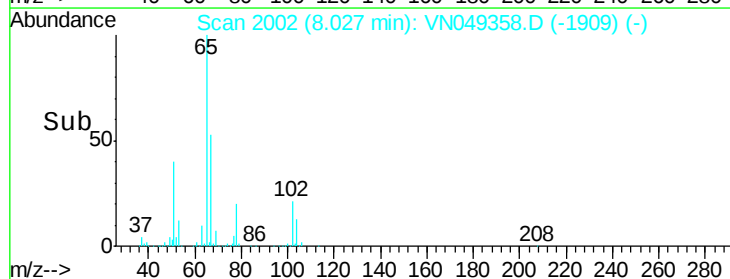
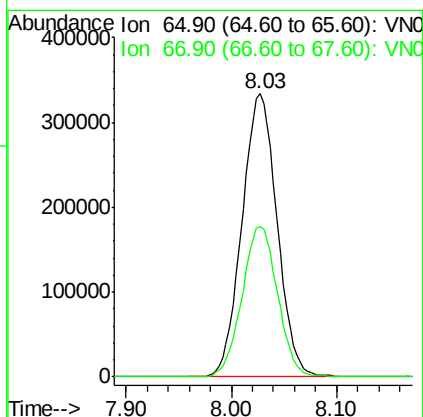
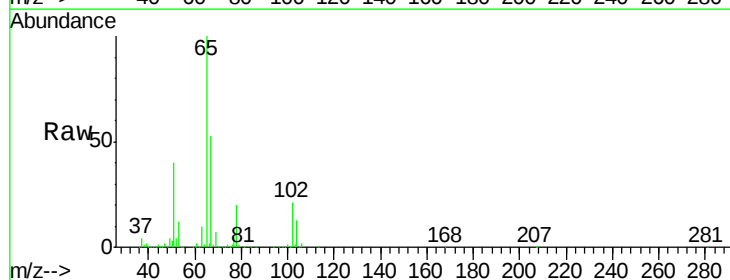
Instrument :  
MSVOA\_N  
ClientSampled :

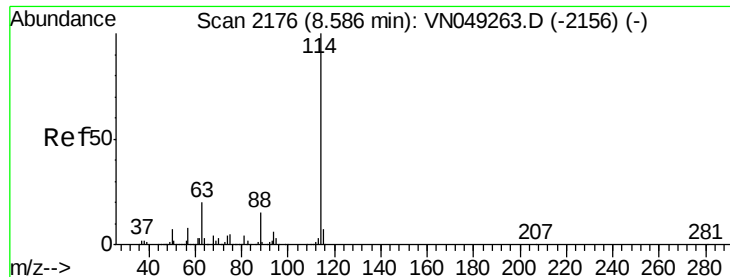
Tot Ion: 56 Resp: 22950  
Ion Ratio Lower Upper  
56 100  
69 195.7 25.0 37.4#  
84 163.9 64.6 96.8#



#33  
1,2-Dichloroethane-d4  
Concen: 50.28 ug/l  
RT: 8.03 min Scan# 2002  
Delta R.T. 0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

Tgt Ion: 65 Resp: 772611  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 103.8

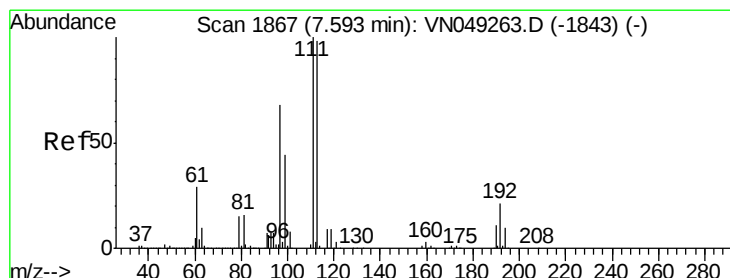
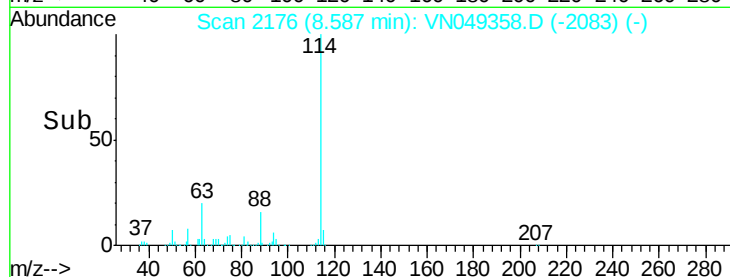
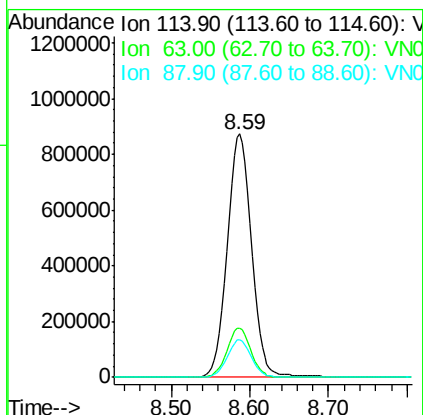
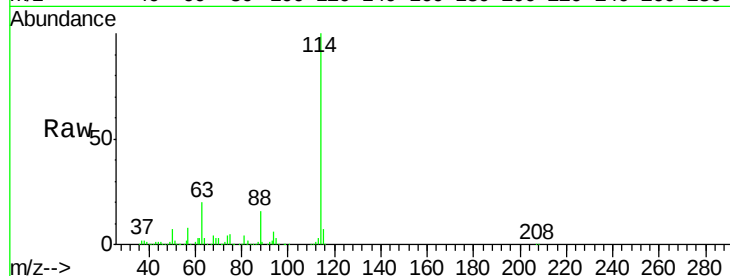




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049358.D  
 Acq: 18 Jun 2018 21:40

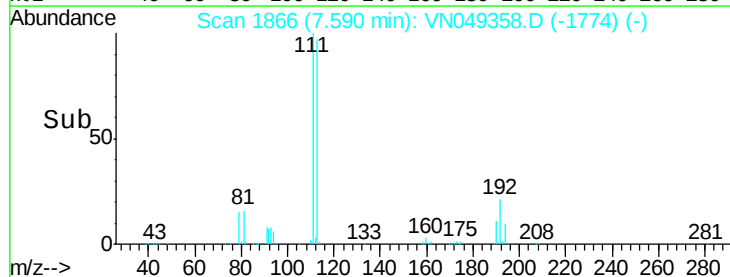
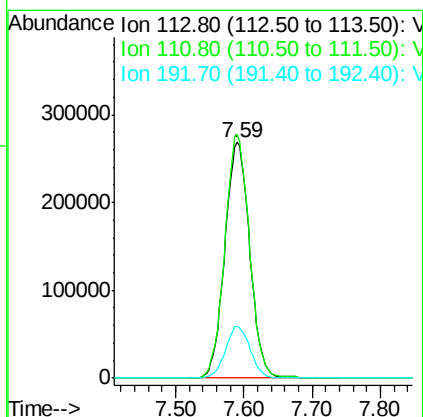
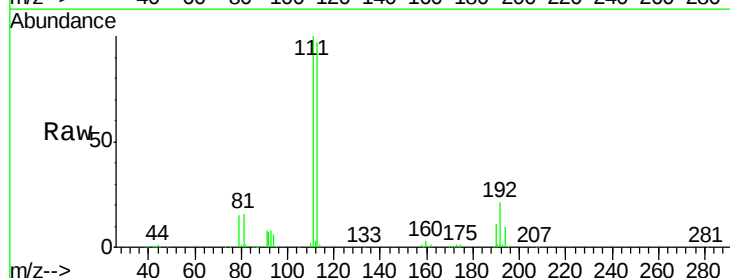
Instrument :  
 MSVOA\_N  
 ClientSampleId :

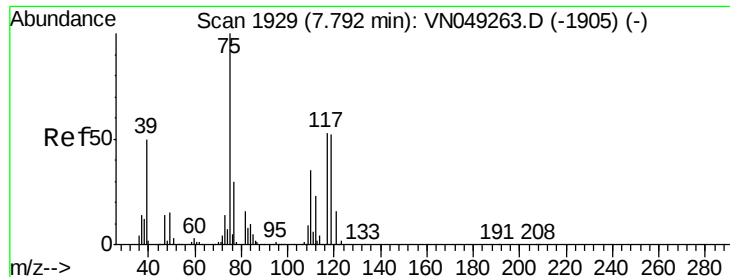
Tot Ion:114 Resp: 1864111  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 44.4  
 88 15.6 0.0 31.4



#35  
 Dibromofluoromethane  
 Concen: 45.05 ug/l  
 RT: 7.59 min Scan# 1866  
 Delta R.T. -0.00 min  
 Lab File: VN049358.D  
 Acq: 18 Jun 2018 21:40

Tgt Ion:113 Resp: 679466  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 82.4 123.6  
 192 21.7 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.72 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

MSVOA\_N

ClientSampleId :

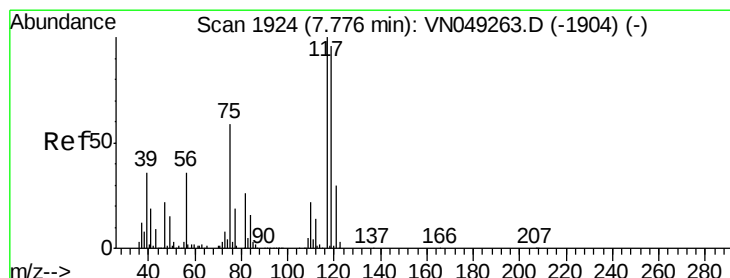
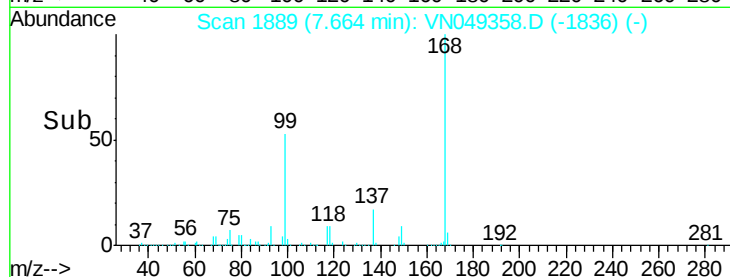
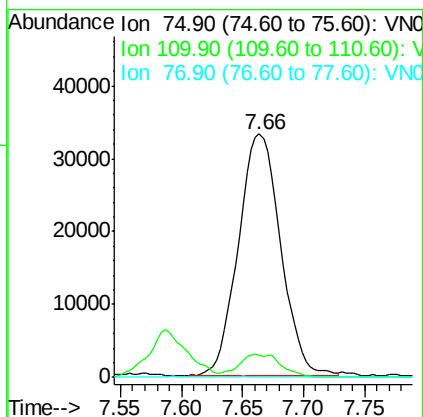
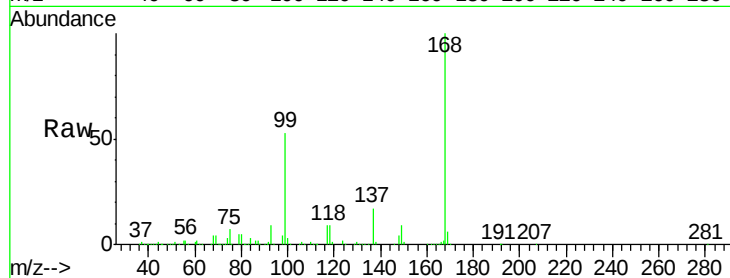
Tot Ion: 75 Resp: 79532

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.75 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

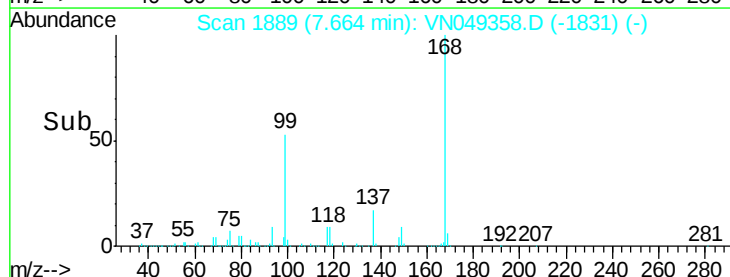
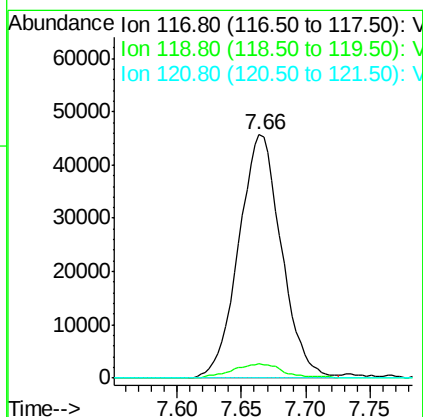
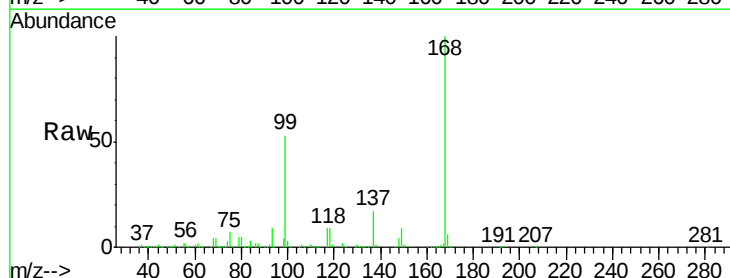
Tgt Ion: 117 Resp: 105139

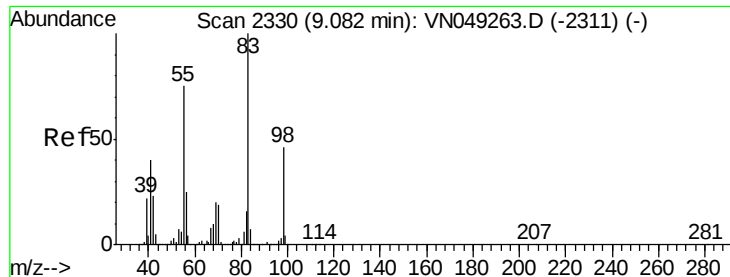
Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

121 0.0 24.7 37.1#

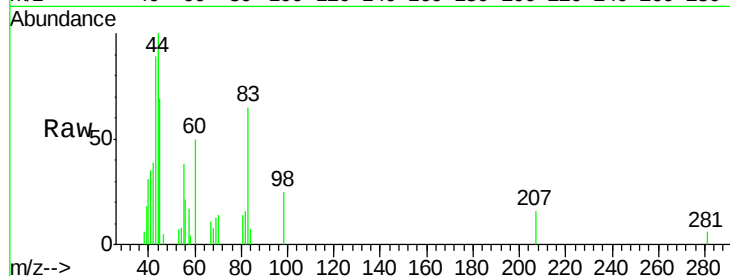




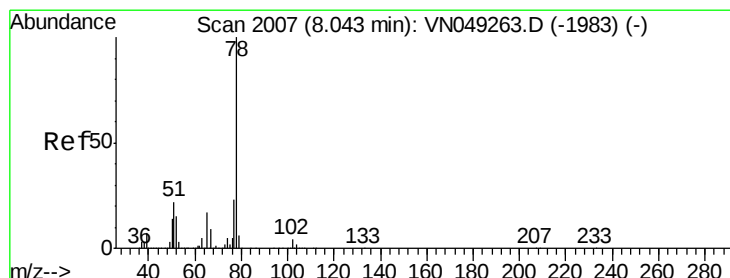
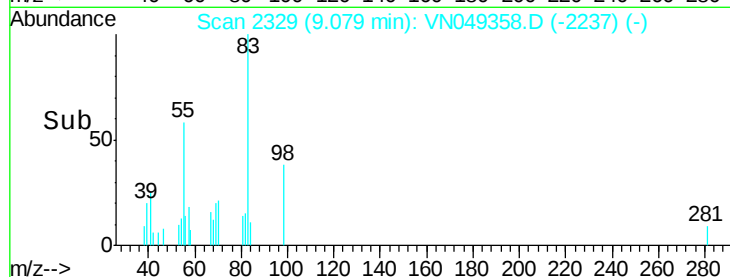
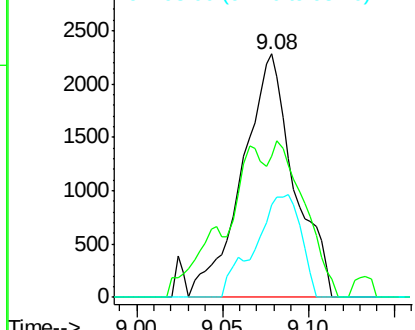
#39  
Methvlcvclohexane  
Concen: 0.21 ug/l  
RT: 9.08 min Scan# 2329  
Delta R.T. -0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 83 Resp: 4765  
Ion Ratio Lower Upper  
83 100  
55 58.2 65.1 97.7#  
98 38.0 36.5 54.7

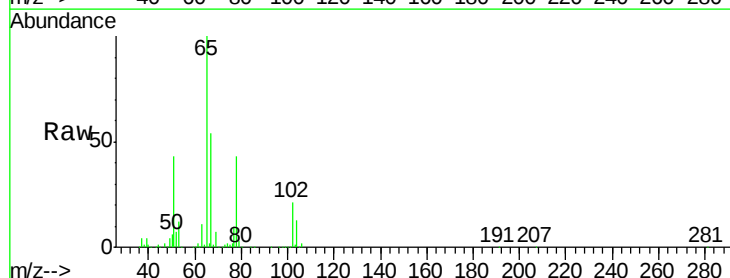


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

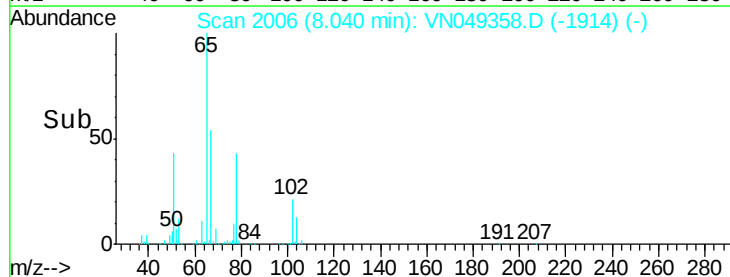
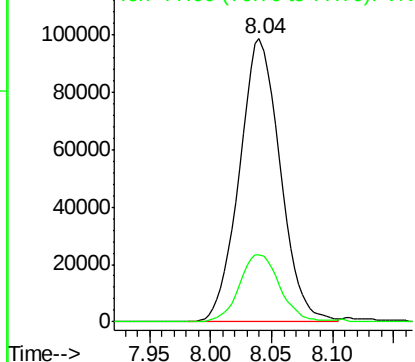


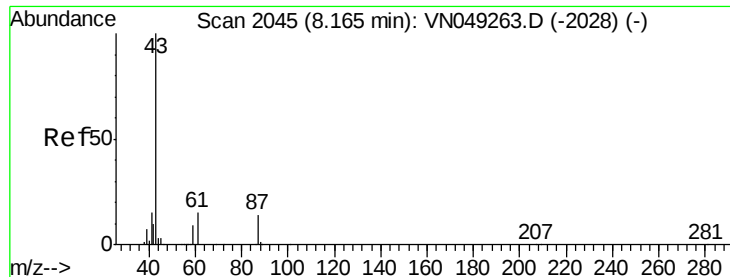
#40  
Benzene  
Concen: 3.48 ug/l  
RT: 8.04 min Scan# 2006  
Delta R.T. -0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

Tgt Ion: 78 Resp: 228219  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.4 29.0



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





#43

Isopropyl Acetate

Concen: 6.34 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

MSVOA\_N

ClientSampleId :

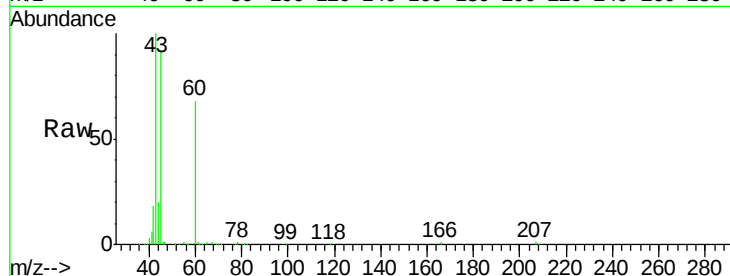
Tot Ion: 43 Resp: 140627

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

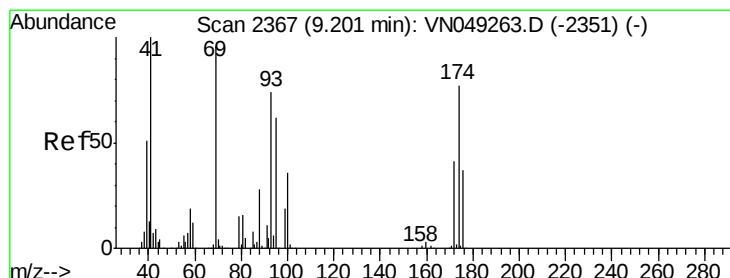
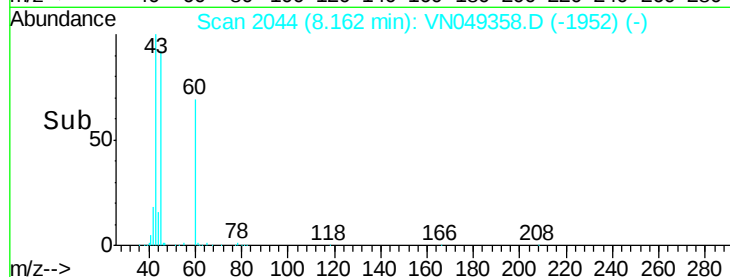
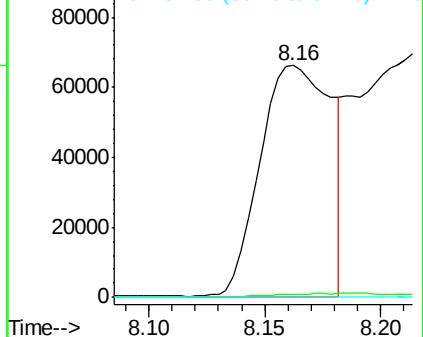
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN049263.D (-2028) (-)

Ion 87.00 (86.70 to 87.70): VN049263.D (-2028) (-)



#49

1,4-Dioxane

Concen: 2.92 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

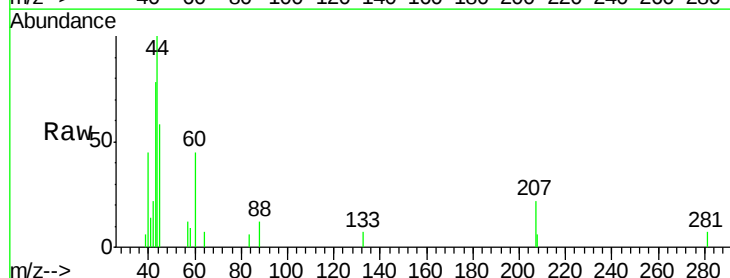
Tgt Ion: 88 Resp: 421

Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

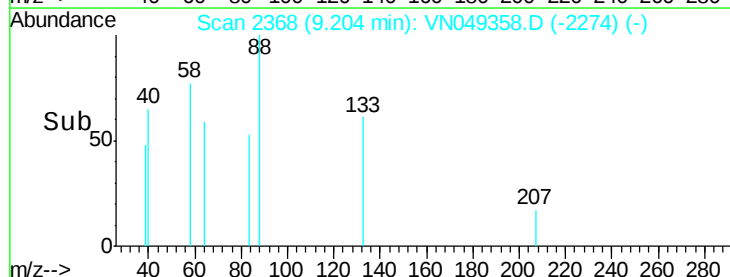
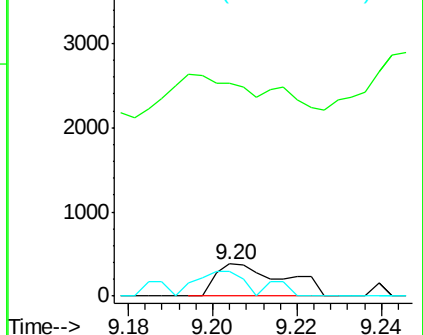
58 53.2 58.9 88.3#

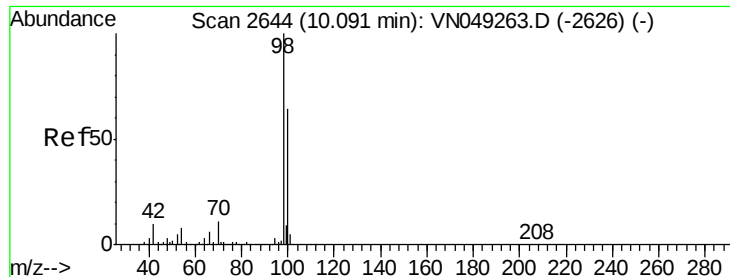


Abundance Ion 88.00 (87.70 to 88.70): VN049263.D (-2351) (-)

Ion 43.00 (42.70 to 43.70): VN049263.D (-2351) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2351) (-)





#50

Toluene-d8

Concen: 44.08 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

MSVOA\_N

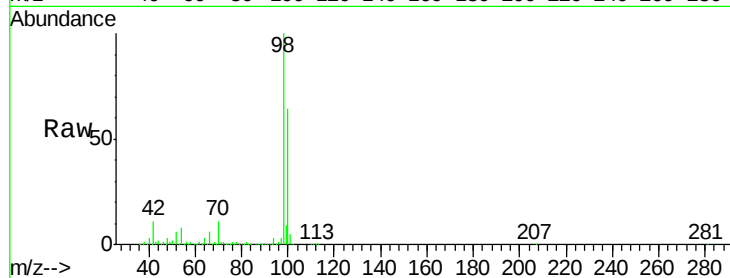
ClientSampleId :

Tot Ion: 98 Resp: 2531215

Ion Ratio Lower Upper

98 100

100 63.9 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

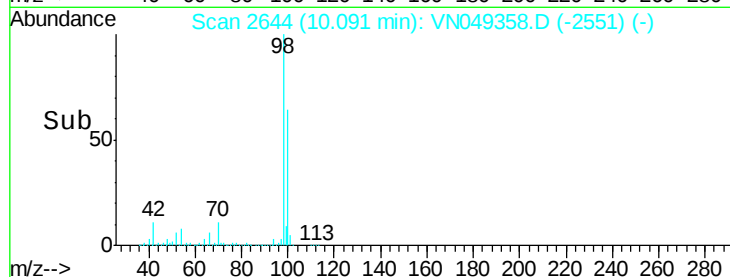
1500000

1000000

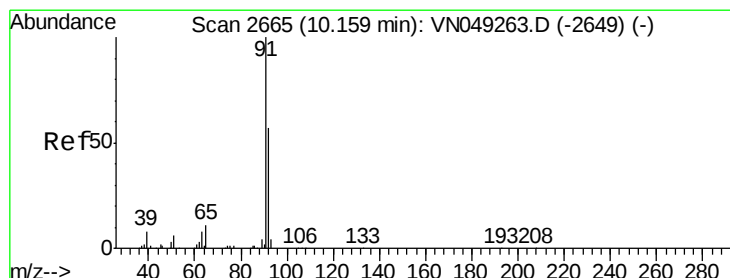
500000

0

Time-->



Time-->



#52

Toluene

Concen: 1.20 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049358.D

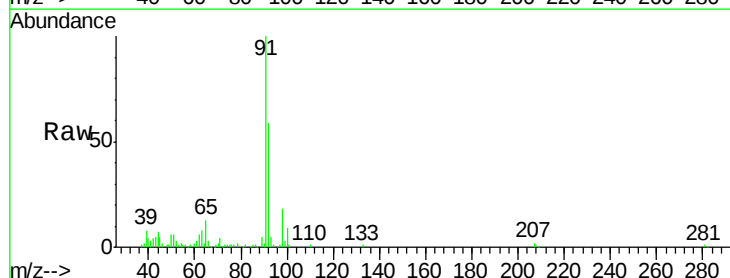
Acq: 18 Jun 2018 21:40

Tgt Ion: 92 Resp: 46147

Ion Ratio Lower Upper

92 100

91 176.2 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

50000

40000

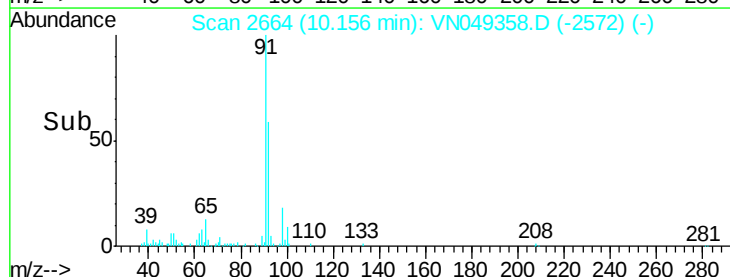
30000

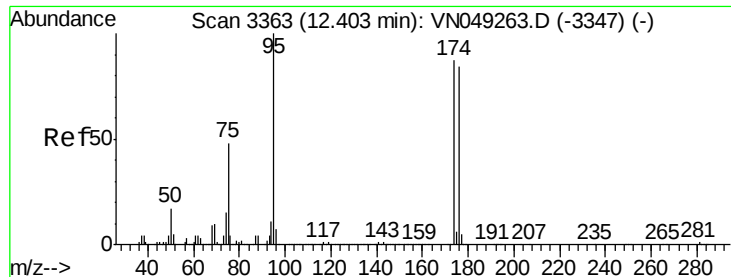
20000

10000

0

Time-->

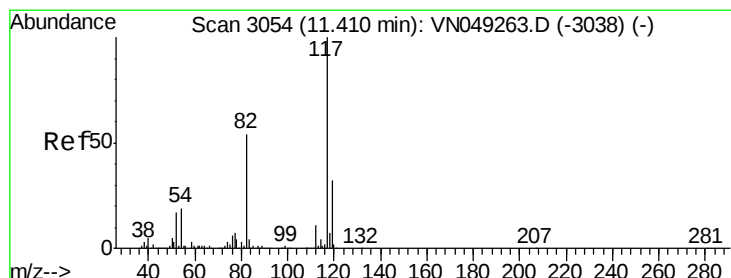
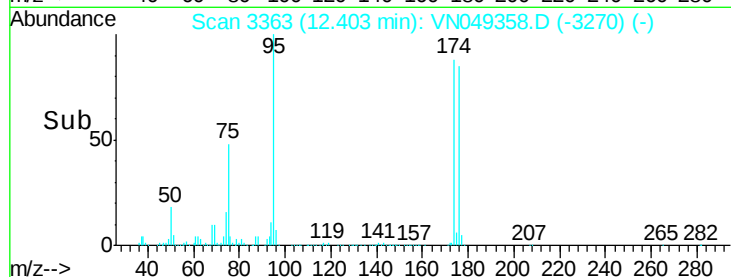
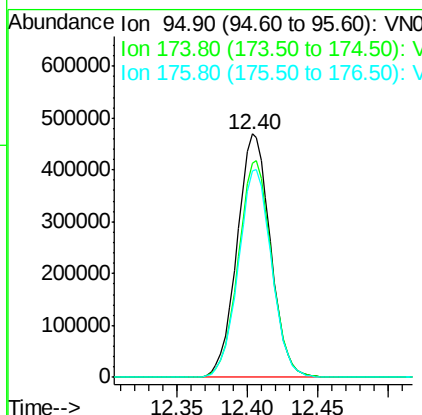
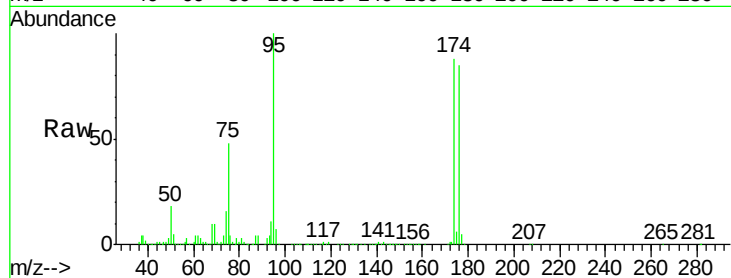




#62  
4-Bromofluorobenzene  
Concen: 40.85 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

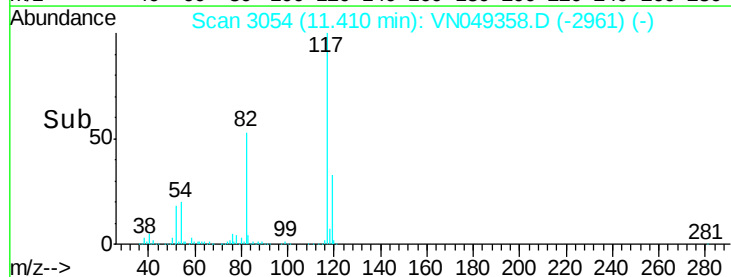
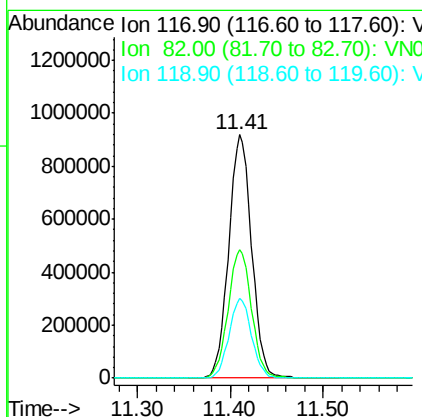
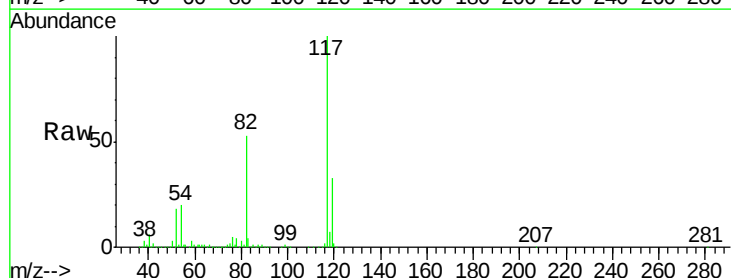
Instrument :  
MSVOA\_N  
ClientSampleId :

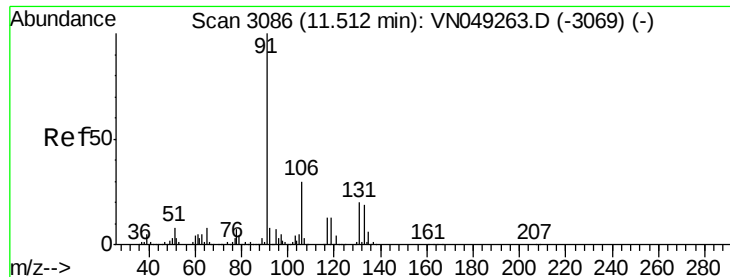
Tot Ion: 95 Resp: 775581  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 165.6  
176 85.4 0.0 157.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

Tgt Ion: 117 Resp: 1574395  
Ion Ratio Lower Upper  
117 100  
82 52.9 45.9 68.9  
119 32.5 25.5 38.3





#67

Ethyl Benzene

Concen: 0.80 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

MSVOA\_N

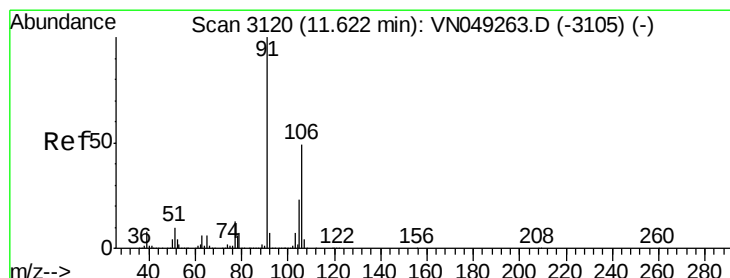
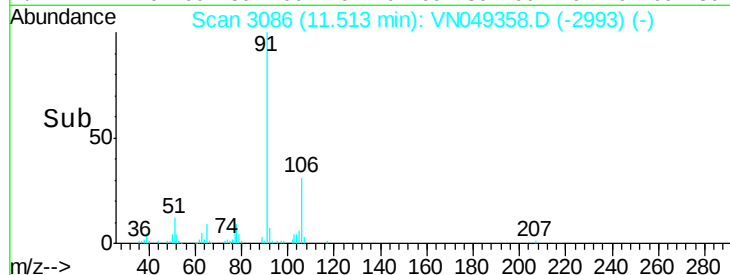
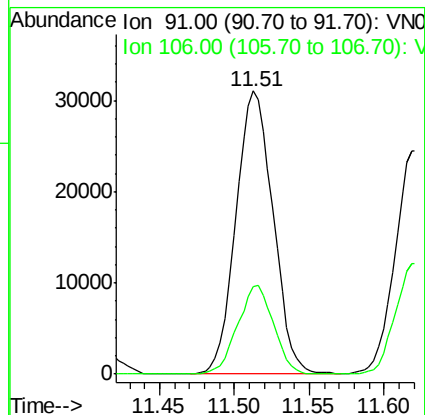
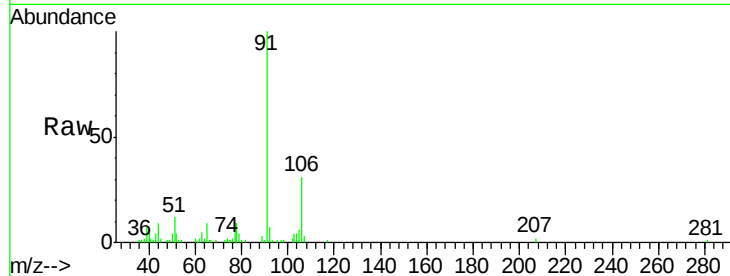
ClientSampleId :

Tot Ion: 91 Resp: 53699

Ion Ratio Lower Upper

91 100

106 31.1 23.9 35.9



#68

m/p-Xylenes

Concen: 0.93 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049358.D

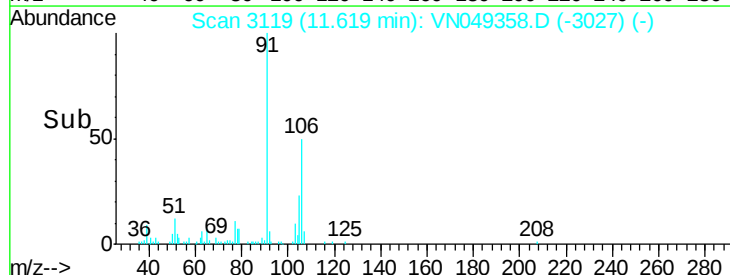
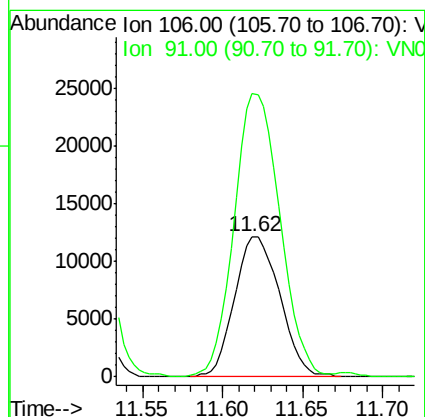
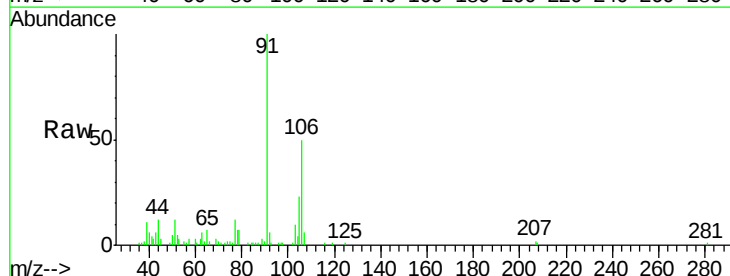
Acq: 18 Jun 2018 21:40

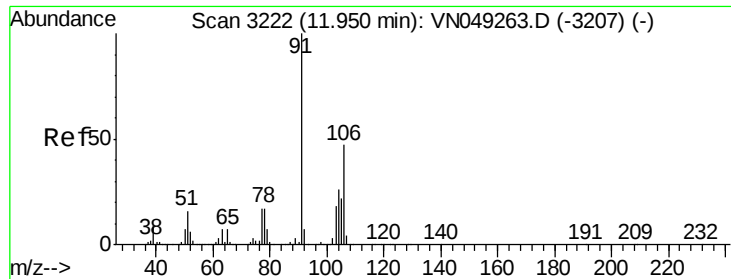
Tgt Ion: 106 Resp: 23476

Ion Ratio Lower Upper

106 100

91 204.8 167.3 250.9

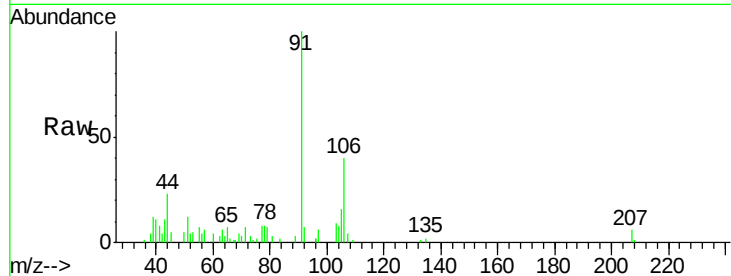




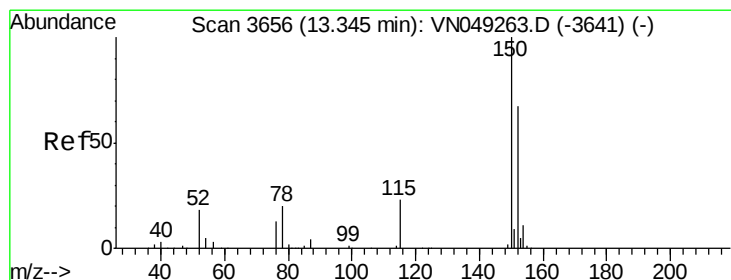
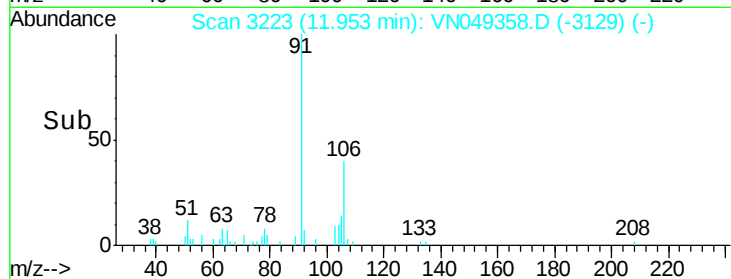
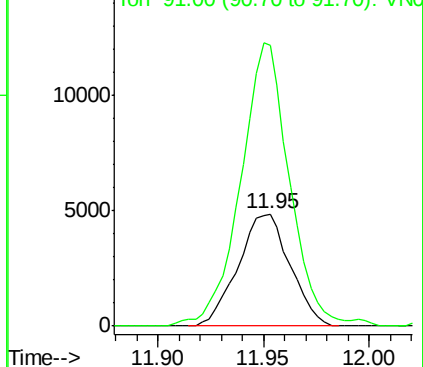
#69  
o-Xylene  
Concen: 0.34 ug/l  
RT: 11.95 min Scan# 3223  
Delta R.T. 0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:106 Resp: 8276  
Ion Ratio Lower Upper  
106 100  
91 240.0 111.0 333.0

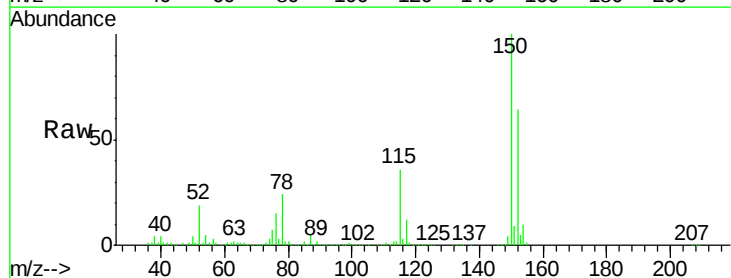


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

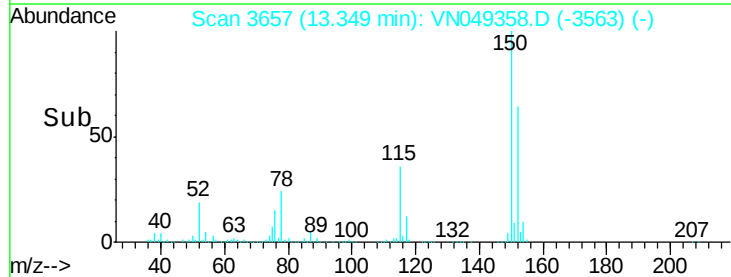
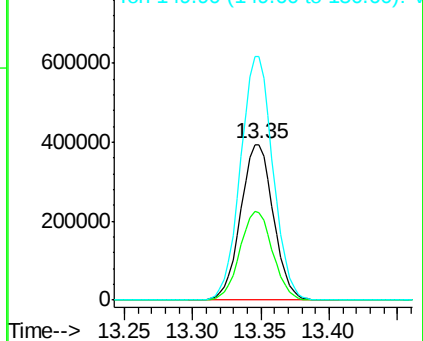


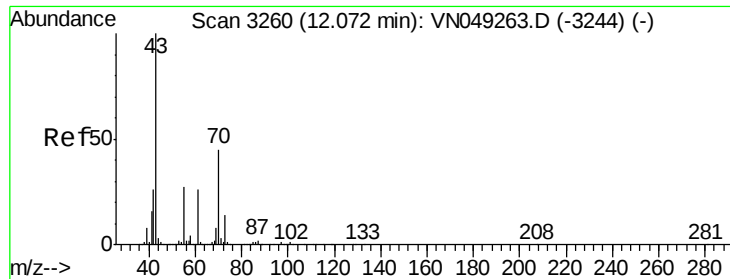
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3657  
Delta R.T. 0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

Tgt Ion:152 Resp: 656112  
Ion Ratio Lower Upper  
152 100  
115 56.5 28.7 86.1  
150 155.2 0.0 351.0



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





#74

N-amvl acetate

Concen: 0.24 ug/l

RT: 12.04 min Scan# 3250

Delta R.T. -0.03 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

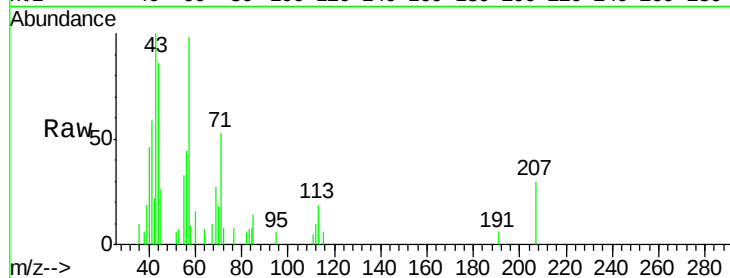
MSVOA\_N

ClientSampled :

Tot Ion: 43 Resp: 3346

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 43 | 100  |      |      |
| 70 | 35.8 | 30.3 | 45.5 |
| 55 | 29.0 | 19.4 | 29.2 |
| 61 | 0.0  | 17.8 | 26.6 |

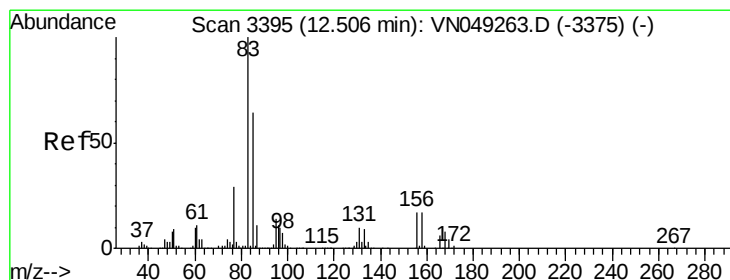
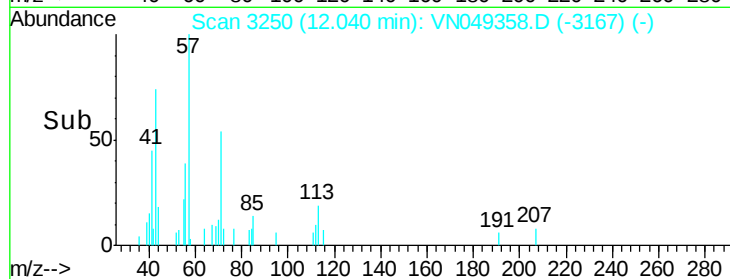
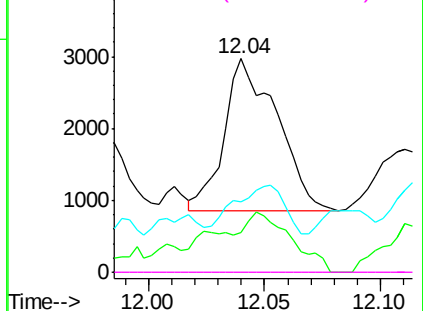


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3397

Delta R.T. 0.01 min

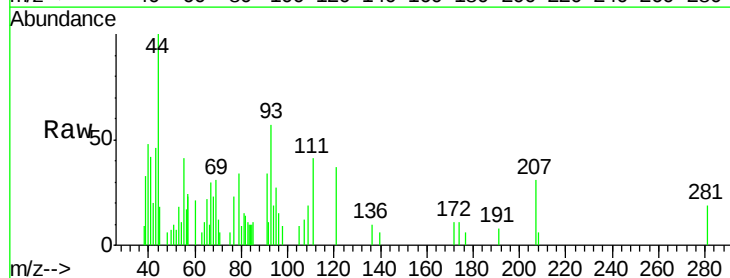
Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Tgt Ion: 83 Resp: 317

Ion Ratio Lower Upper

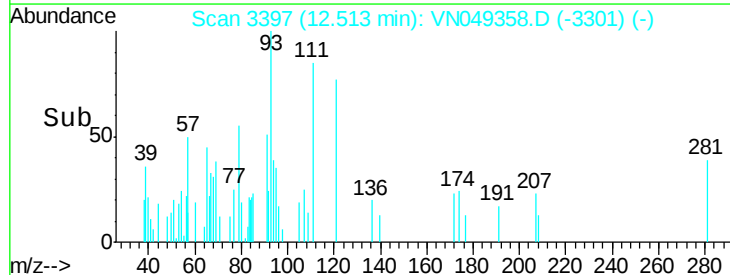
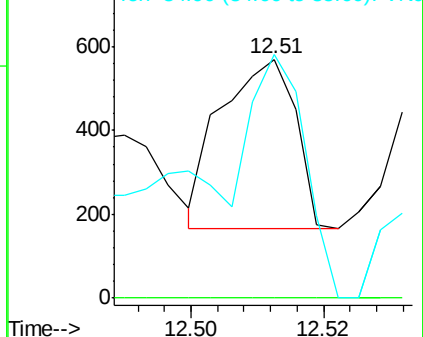
|     |       |      |      |
|-----|-------|------|------|
| 83  | 100   |      |      |
| 131 | 0.0   | 5.0  | 15.0 |
| 85  | 105.7 | 32.0 | 96.0 |

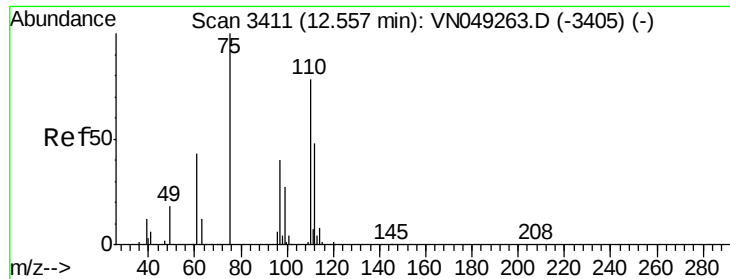


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

MSVOA\_N

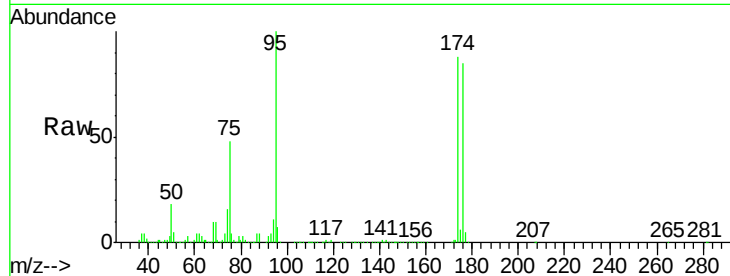
ClientSampled :

Tot Ion: 75 Resp: 375523

Ion Ratio Lower Upper

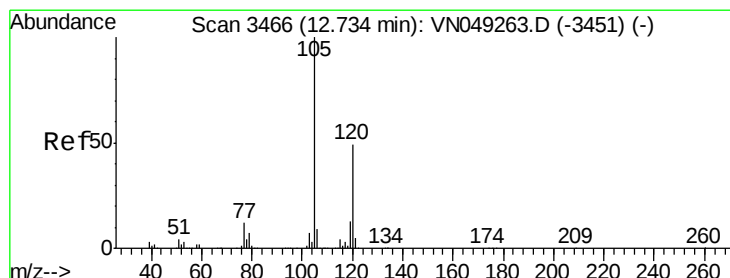
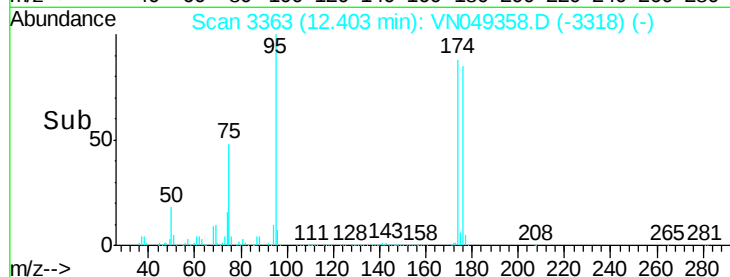
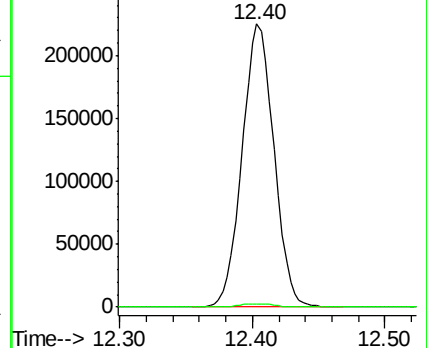
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.24 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049358.D

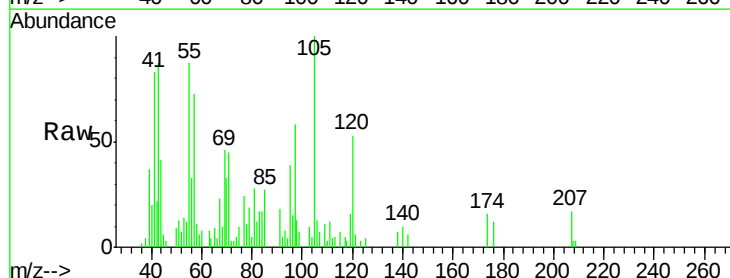
Acq: 18 Jun 2018 21:40

Tgt Ion: 105 Resp: 10702

Ion Ratio Lower Upper

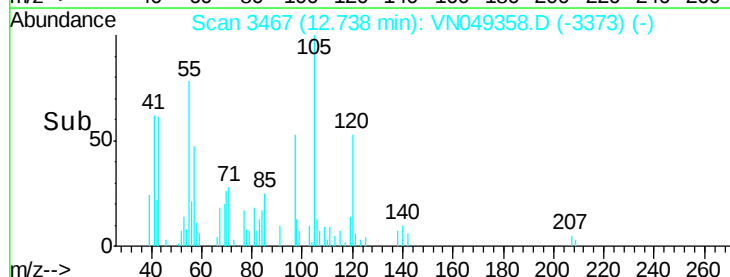
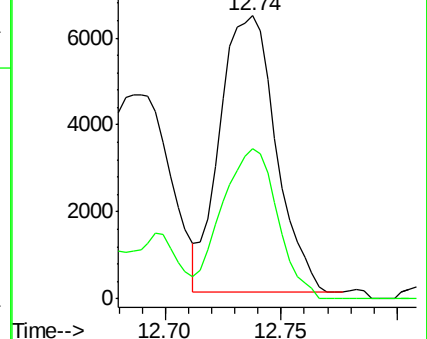
105 100

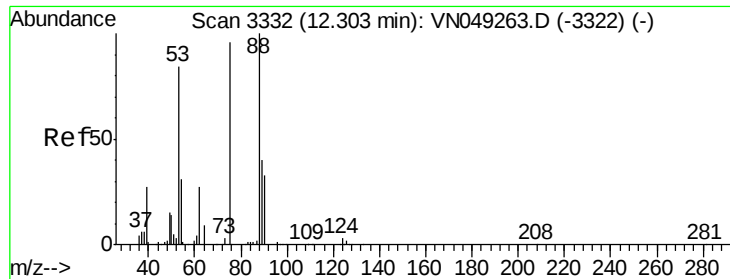
120 54.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 106.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049358.D

Acq: 18 Jun 2018 21:40

Instrument :

MSVOA\_N

ClientSampled :

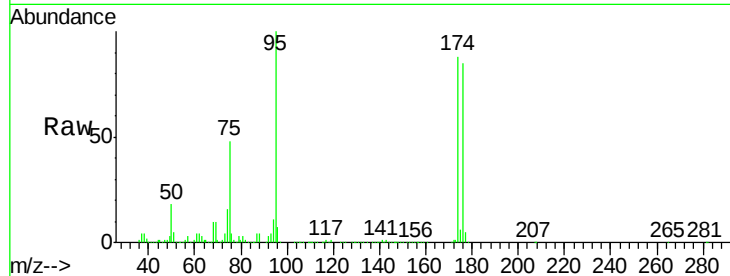
Tot Ion: 75 Resp: 375523

Ion Ratio Lower Upper

75 100

53 0.4 82.7 124.1#

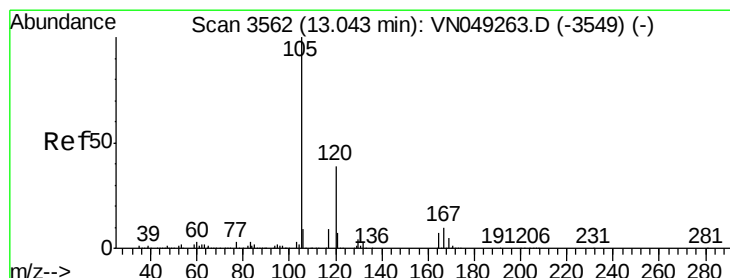
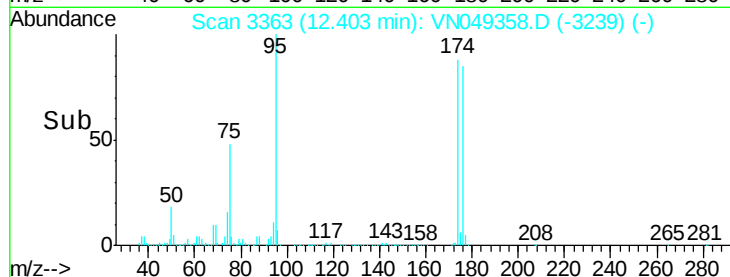
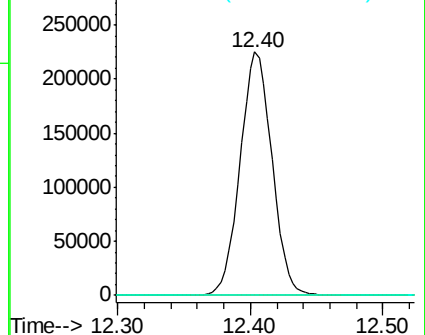
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049358.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049358.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049358.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.62 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049358.D

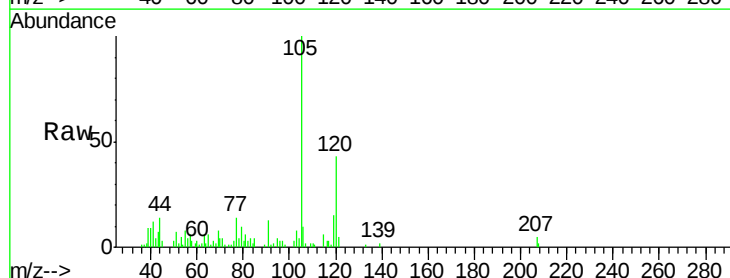
Acq: 18 Jun 2018 21:40

Tgt Ion: 105 Resp: 27777

Ion Ratio Lower Upper

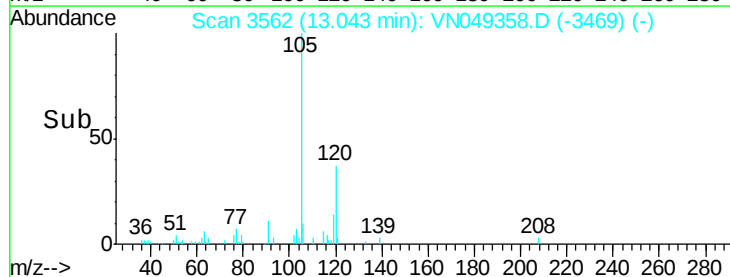
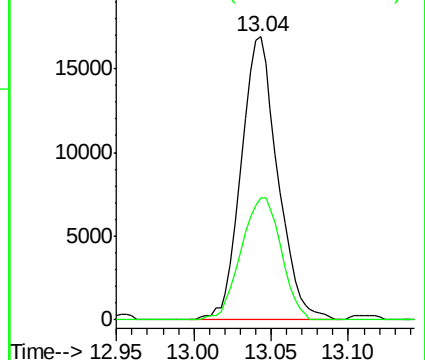
105 100

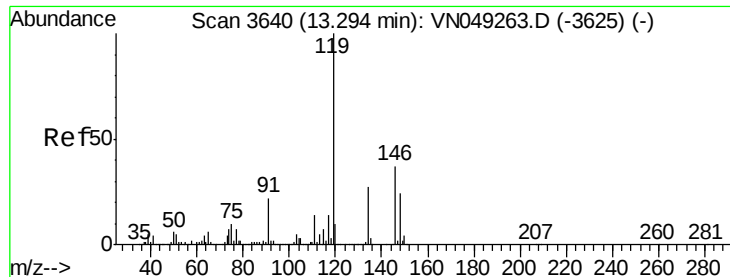
120 47.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049358.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049358.D (-3562) (-)

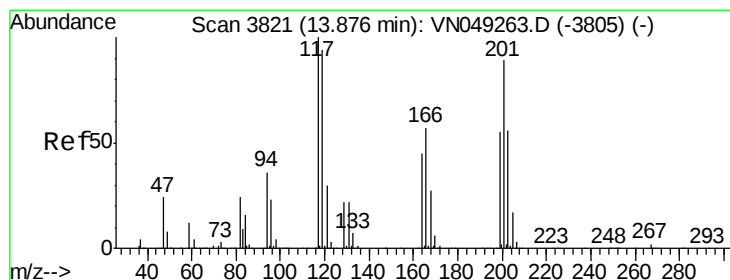
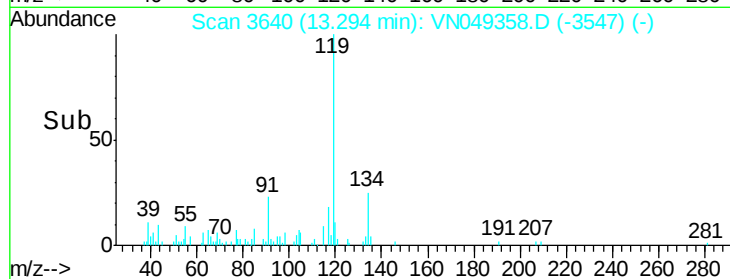
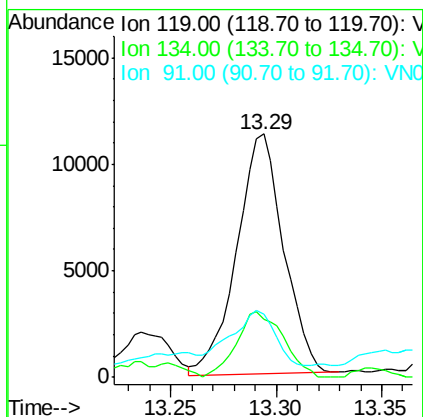
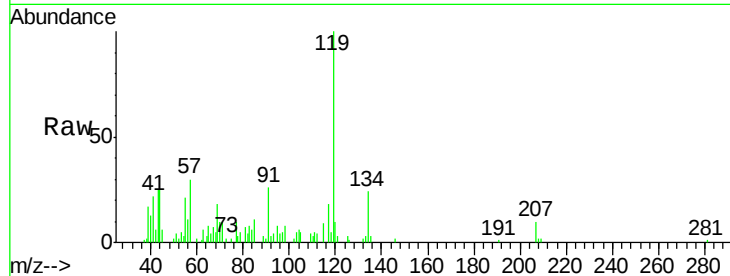




#86  
p-Isopropyltoluene  
Concen: 0.39 ug/l  
RT: 13.29 min Scan# 3640  
Delta R.T. 0.00 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

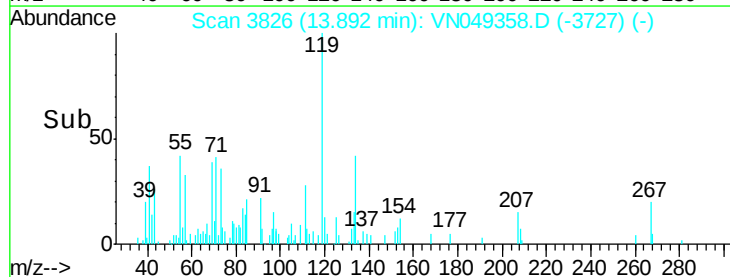
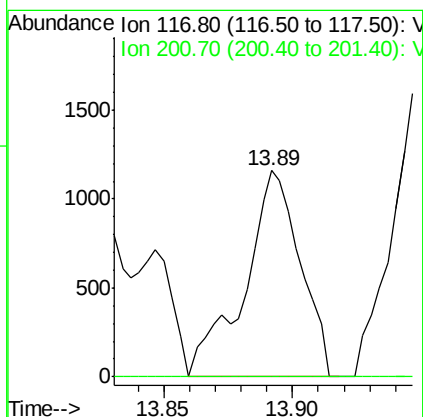
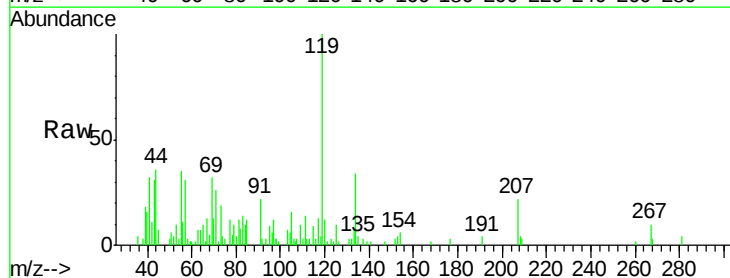
Instrument :  
MSVOA\_N  
ClientSampled :

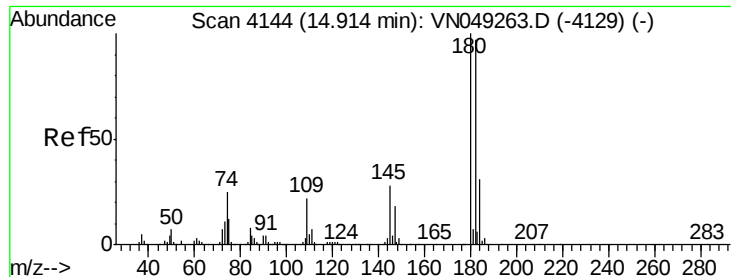
Tot Ion:119 Resp: 17380  
Ion Ratio Lower Upper  
119 100  
134 27.3 12.9 38.6  
91 21.6 12.1 36.3



#90  
Hexachloroethane  
Concen: Below Cal  
RT: 13.89 min Scan# 3826  
Delta R.T. 0.02 min  
Lab File: VN049358.D  
Acq: 18 Jun 2018 21:40

Tgt Ion:117 Resp: 1751  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.1 120.2#

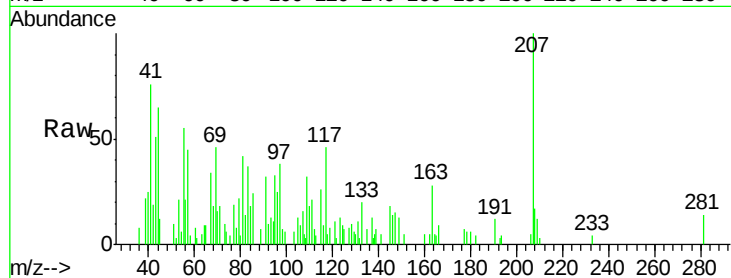




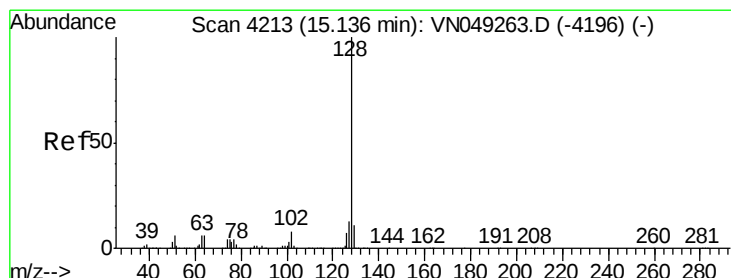
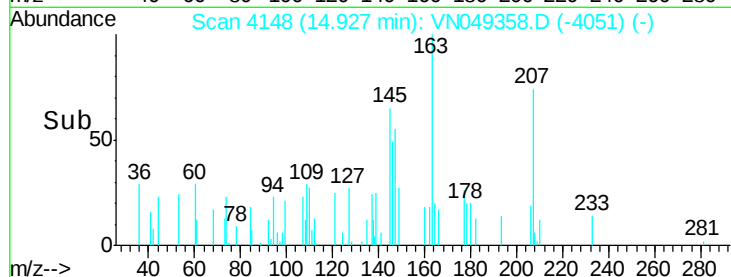
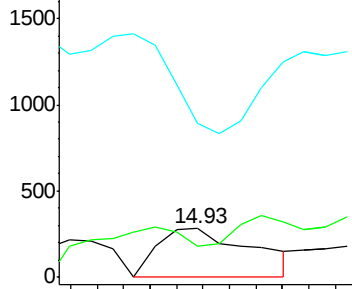
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.77 ug/l  
 RT: 14.93 min Scan# 4148  
 Delta R.T. 0.01 min  
 Lab File: VN049358.D  
 Acq: 18 Jun 2018 21:40

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:180 Resp: 278  
 Ion Ratio Lower Upper  
 180 100  
 182 112.2 46.9 140.8  
 145 0.0 14.7 44.1#

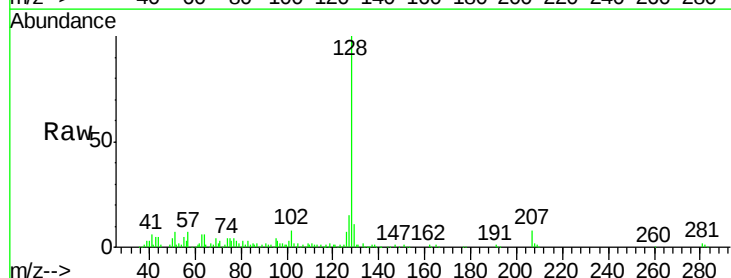


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

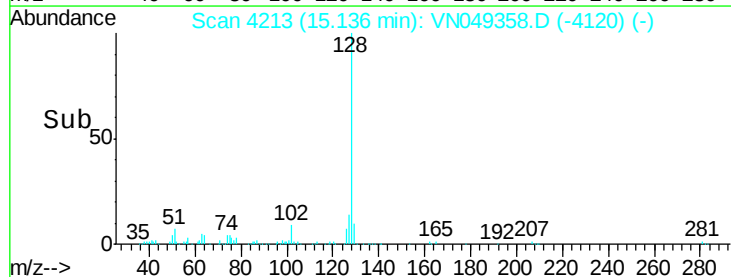
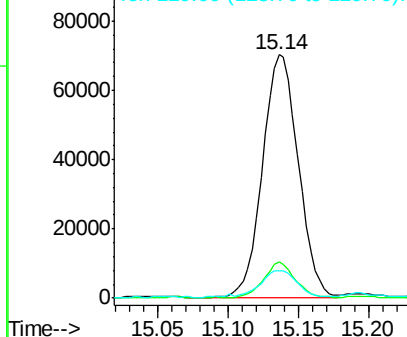


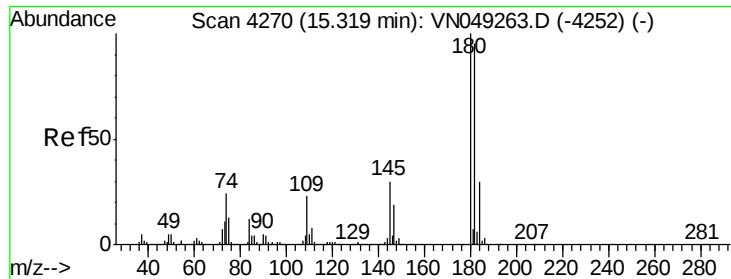
#95  
 Naphthalene  
 Concen: 8.82 ug/l  
 RT: 15.14 min Scan# 4213  
 Delta R.T. 0.00 min  
 Lab File: VN049358.D  
 Acq: 18 Jun 2018 21:40

Tgt Ion:128 Resp: 124889  
 Ion Ratio Lower Upper  
 128 100  
 127 12.4 10.6 16.0  
 129 10.8 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

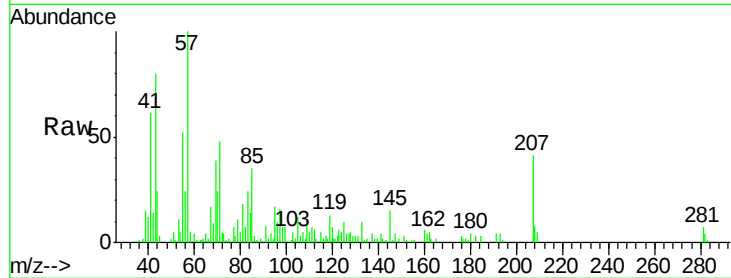




#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.50 ug/l  
 RT: 15.33 min Scan# 4274  
 Delta R.T. 0.01 min  
 Lab File: VN049358.D  
 Acq: 18 Jun 2018 21:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 110.6 | 47.3  | 141.8 |
| 145     | 0.0   | 15.6  | 46.7  |



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

