

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\  
 Data File : VN049376.D  
 Acq On : 19 Jun 2018 6:15  
 Operator : MD\SY  
 Sample : J3566-20  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 19 08:01:09 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      | 7.67  | 168  | 1305041  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2086471  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1740101  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 609628   | 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   | 862339   | 49.82 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.64% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 767106   | 45.44 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.88% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2824682  | 43.95 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.90% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 801462   | 37.71 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 75.42% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 2.06  | 50   | 4111     | 0.21   | ug/l   | 97     |
| 11) Tert butyl alcohol         | 4.75  | 59   | 3037     | 2.99   | ug/l # | 79     |
| 13) Acrolein                   | 3.63  | 56   | 253      | 0.24   | ug/l # | 69     |
| 16) Acetone                    | 3.82  | 43   | 32095    | 7.64   | ug/l   | 96     |
| 18) Methyl Acetate             | 4.33  | 43   | 140403   | 10.96  | ug/l   | 94     |
| 20) Methylene Chloride         | 4.55  | 84   | 641663   | 36.56  | ug/l   | 91     |
| 25) 2-Butanone                 | 6.84  | 43   | 3971     | 0.70   | ug/l # | 54     |
| 29) Tetrahydrofuran            | 7.21  | 42   | 943      | 0.26   | ug/l # | 83     |
| 30) Chloroform                 | 7.37  | 83   | 14896    | 0.50   | ug/l   | 96     |
| 31) Cyclohexane                | 7.67  | 56   | 24058    | 0.77   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 92326    | 3.86   | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 118335   | 4.78   | ug/l # | 18     |
| 43) Isopropyl Acetate          | 8.22  | 43   | 680182   | 27.38  | ug/l # | 64     |
| 47) Bromodichloromethane       | 9.41  | 83   | 5474     | 0.22   | ug/l # | 87     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3886     | 0.30   | ug/l   | 96     |
| 65) Chlorobenzene              | 11.44 | 112  | 13105    | 0.29   | ug/l   | 99     |
| 73) Isopropylbenzene           | 12.25 | 105  | 89227    | 1.67   | ug/l   | 98     |
| 74) N-amyl acetate             | 12.04 | 43   | 3131     | 0.24   | ug/l # | 48     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.47 | 83   | 502      | Below  | Cal #  | 26     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 382050   | 36.73  | ug/l # | 100    |
| 77) Bromobenzene               | 12.52 | 156  | 5964     | 0.42   | ug/l # | 1      |
| 78) n-propylbenzene            | 12.59 | 91   | 215128   | 3.66   | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 12.59 | 91   | 215128   | 5.78   | ug/l # | 42     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 382050   | 116.08 | ug/l # | 9      |
| 82) 4-Chlorotoluene            | 12.59 | 91   | 215128   | 5.99   | ug/l # | 42     |
| 83) tert-Butylbenzene          | 13.00 | 119  | 10369    | 0.28   | ug/l   | 94     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 8708     | 0.21   | ug/l   | 94     |
| 85) sec-Butylbenzene           | 13.17 | 105  | 99333    | 2.00   | ug/l   | 84     |
| 86) p-Isopropyltoluene         | 13.44 | 119  | 33797    | 0.82   | ug/l   | 96     |
| 89) n-Butylbenzene             | 13.62 | 91   | 50095    | 1.55   | ug/l # | 83     |
| 90) Hexachloroethane           | 13.89 | 117  | 39134    | 3.41   | ug/l # | 9      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 615      | 0.33   | ug/l # | 4      |
| 93) 1,2,4-Trichlorobenzene     | 14.90 | 180  | 334      | 4.77   | ug/l # | 1      |
| 95) Naphthalene                | 15.14 | 128  | 92442    | 7.47   | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\  
Data File : VN049376.D  
Acq On : 19 Jun 2018 6:15  
Operator : MD\SY  
Sample : J3566-20  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 19 08:01:09 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

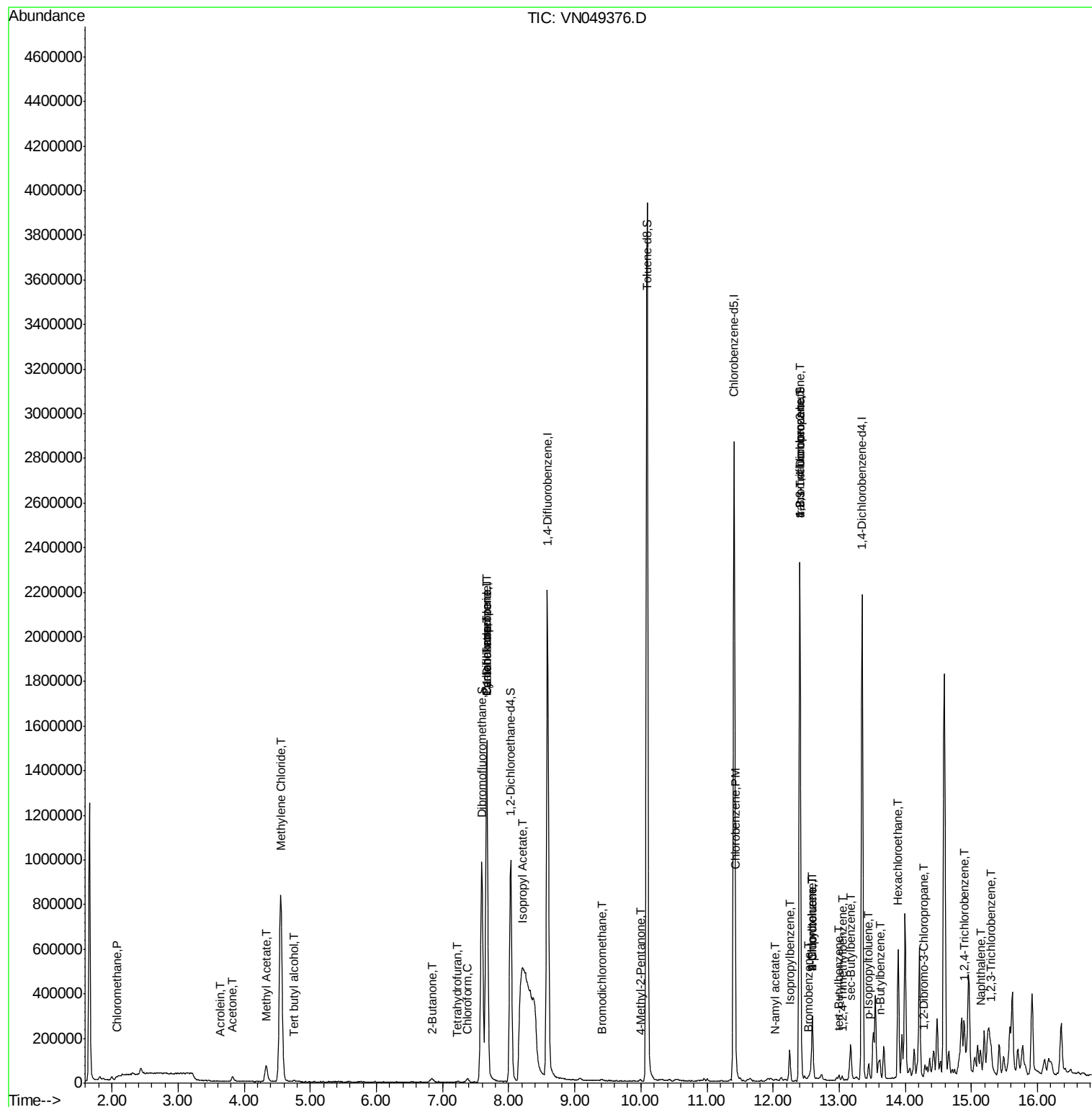
| Internal Standards         | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|----------------------------|-------|------|----------|------|--------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 128      | 3.47 | ug/l # | 45       |

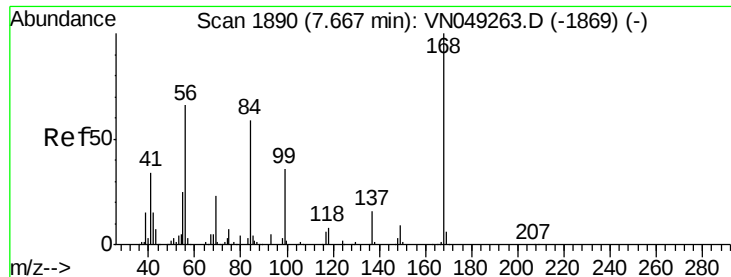
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\  
Data File : VN049376.D  
Acq On : 19 Jun 2018 6:15  
Operator : MD\SY  
Sample : J3566-20  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 19 08:01:09 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

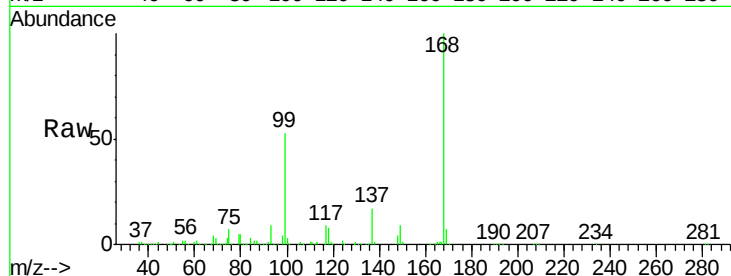
ClientSampleId :

Tot Ion:168 Resp: 1305041

Ion Ratio Lower Upper

168 100

99 52.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

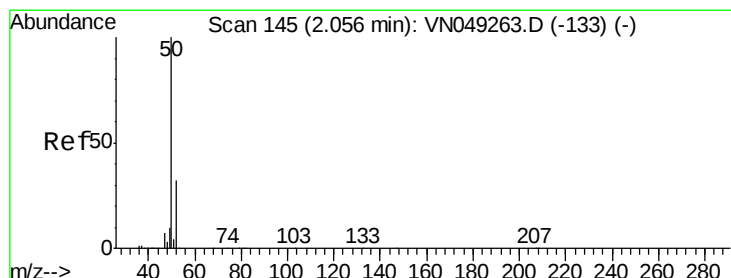
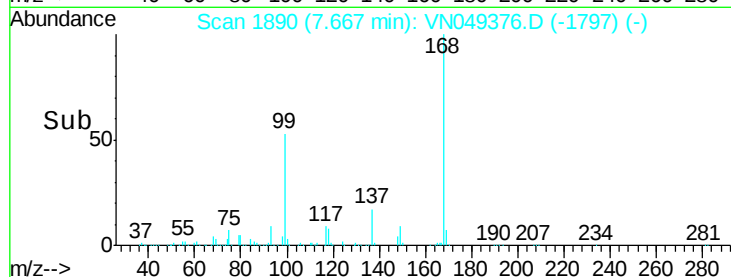
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049376.D

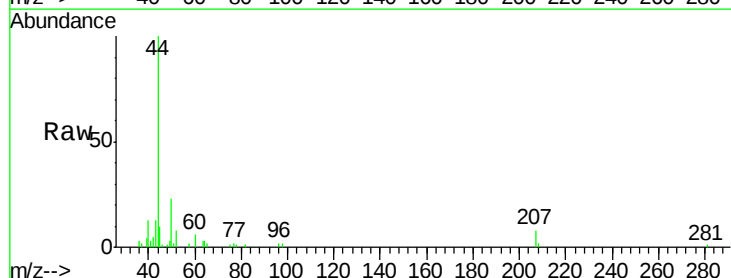
Acq: 19 Jun 2018 6:15

Tgt Ion: 50 Resp: 4111

Ion Ratio Lower Upper

50 100

52 33.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

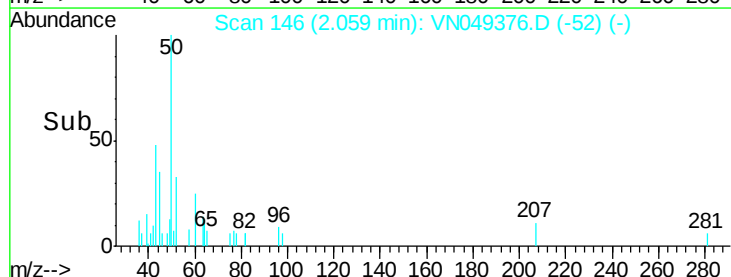
1500

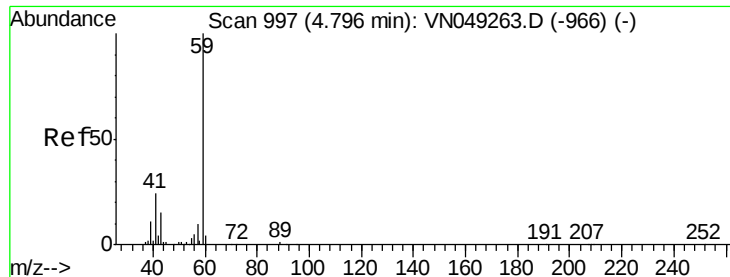
1000

500

0

Time-->

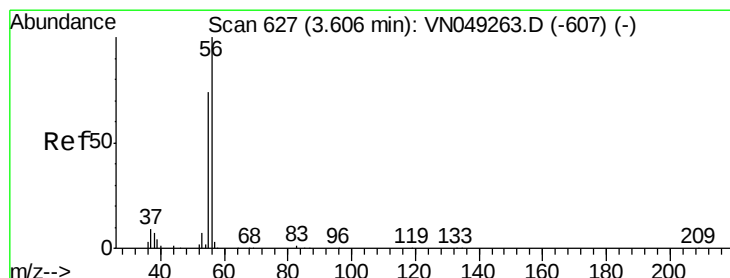
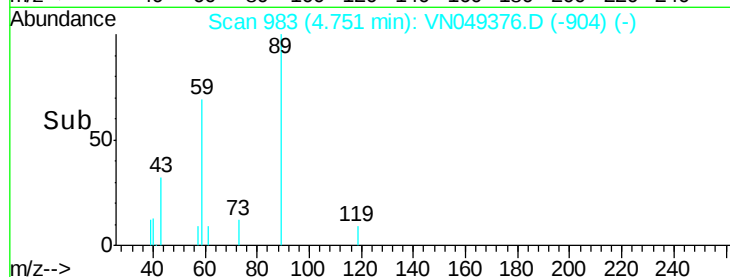
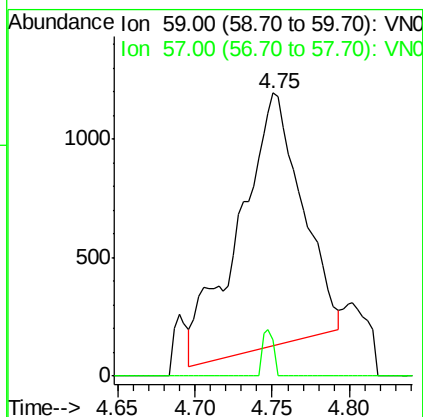
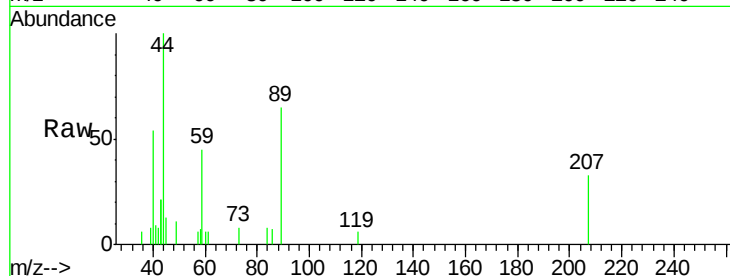




#11  
Tert butyl alcohol  
Concen: 2.99 ug/l  
RT: 4.75 min Scan# 983  
Delta R.T. -0.04 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

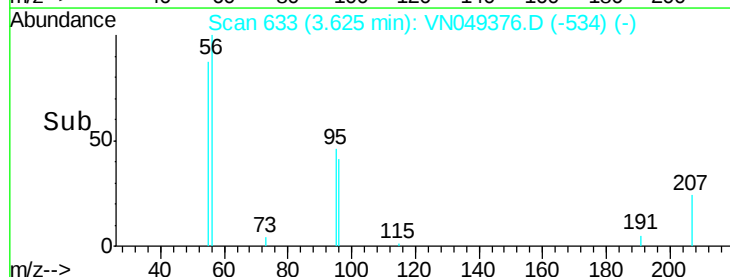
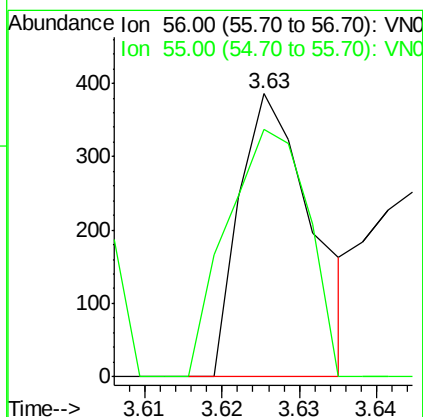
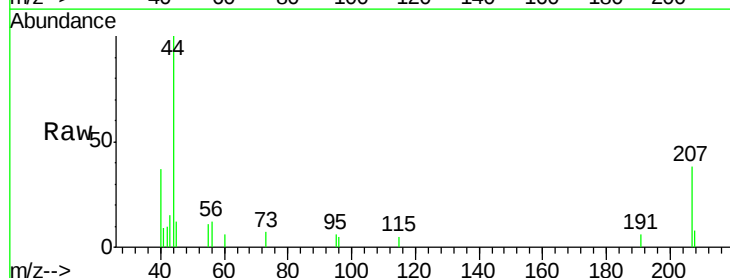
Instrument :  
MSVOA\_N  
ClientSampled :

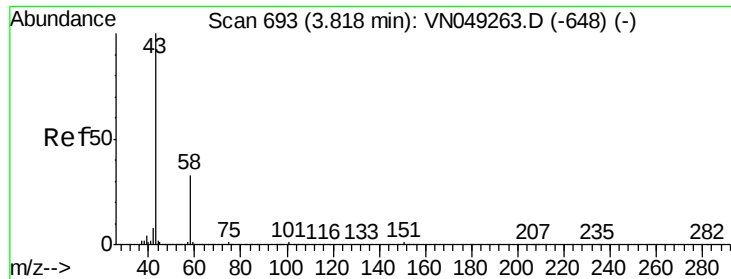
Tot Ion: 59 Resp: 3037  
Ion Ratio Lower Upper  
59 100  
57 3.4 9.0 13.6#



#13  
Acrolein  
Concen: 0.24 ug/l  
RT: 3.63 min Scan# 633  
Delta R.T. 0.02 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

Tgt Ion: 56 Resp: 253  
Ion Ratio Lower Upper  
56 100  
55 97.2 57.1 85.7#





#16

Acetone

Concen: 7.64 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

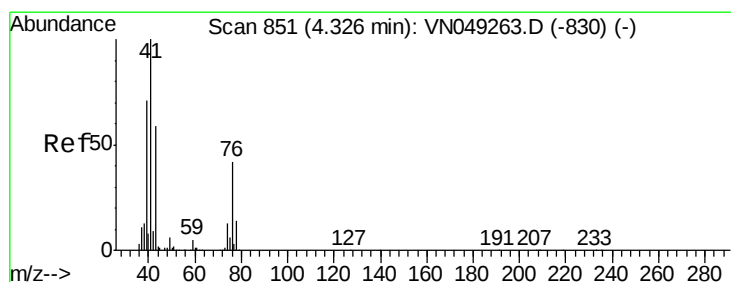
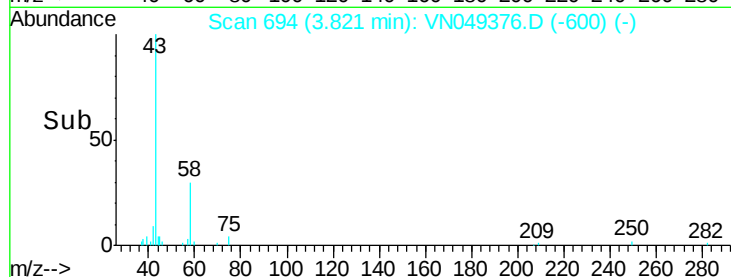
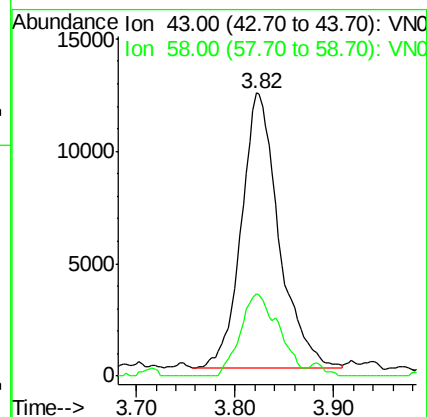
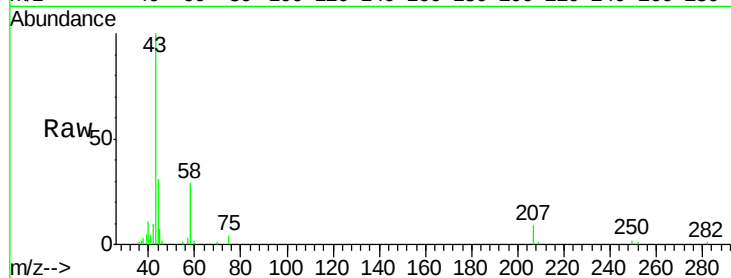
ClientSampleId :

Tot Ion: 43 Resp: 32095

Ion Ratio Lower Upper

43 100

58 30.0 22.4 33.6



#18

Methyl Acetate

Concen: 10.96 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049376.D

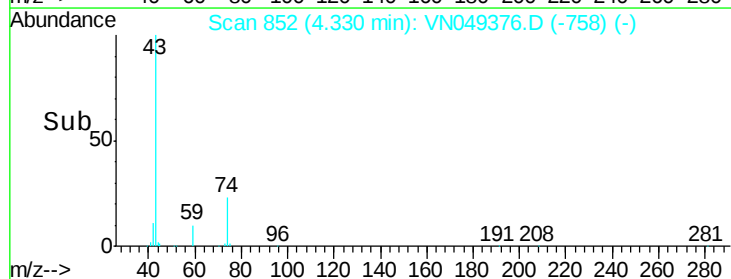
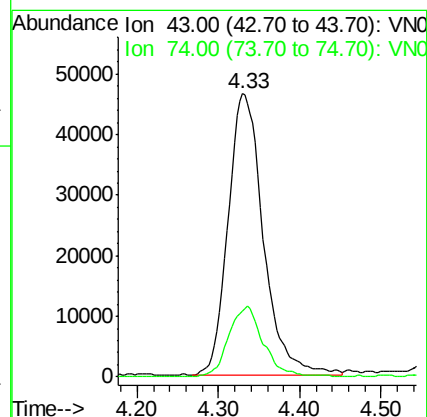
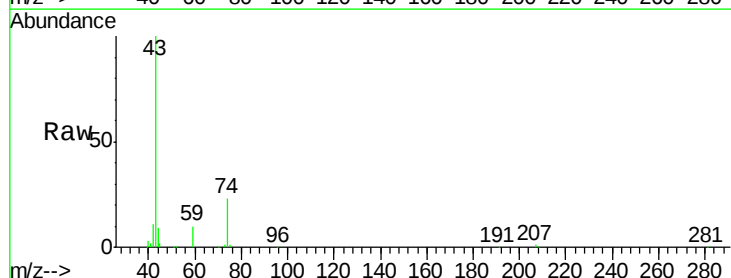
Acq: 19 Jun 2018 6:15

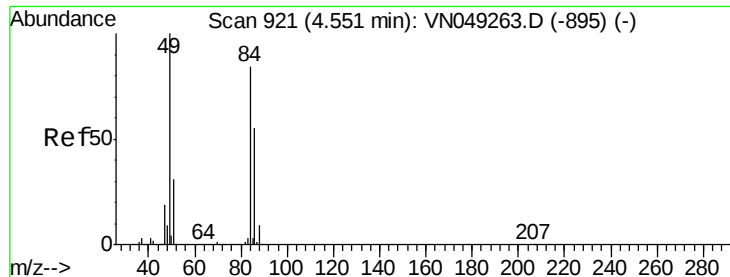
Tgt Ion: 43 Resp: 140403

Ion Ratio Lower Upper

43 100

74 24.6 17.4 26.0

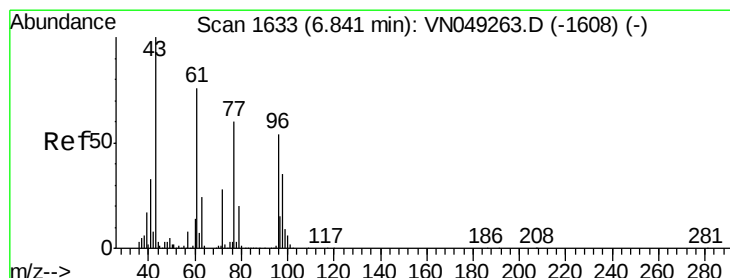
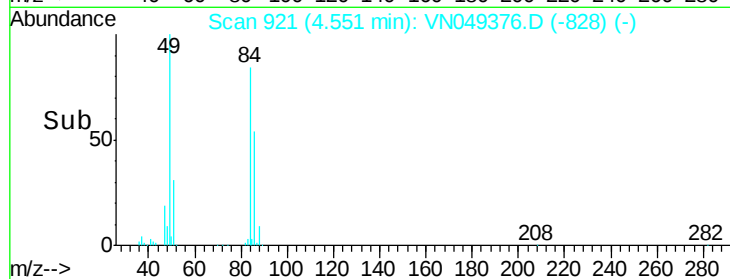
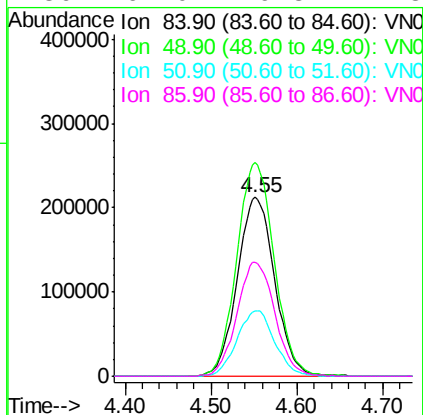
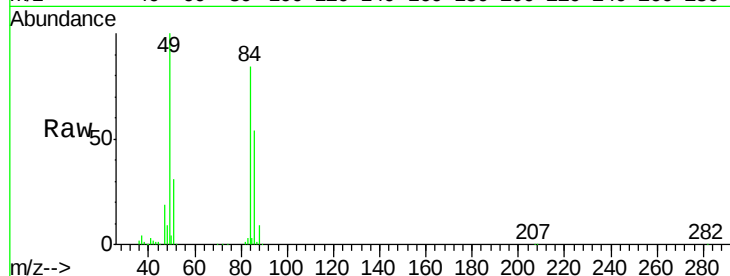




#20  
Methvlene Chloride  
Concen: 36.56 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

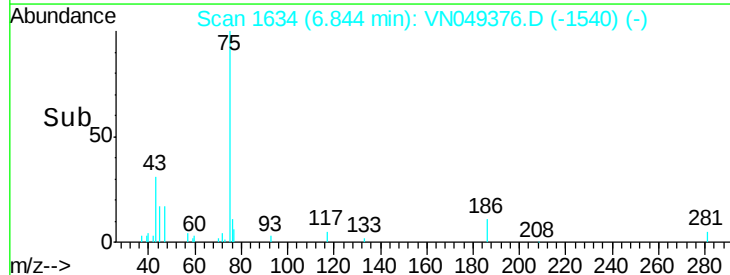
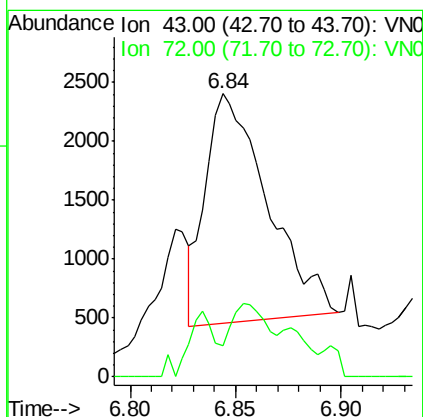
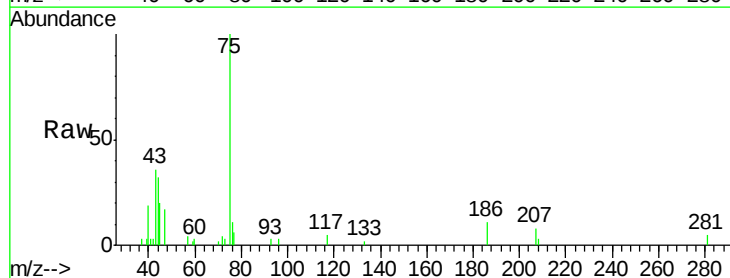
Instrument :  
MSVOA\_N  
ClientSampleId :

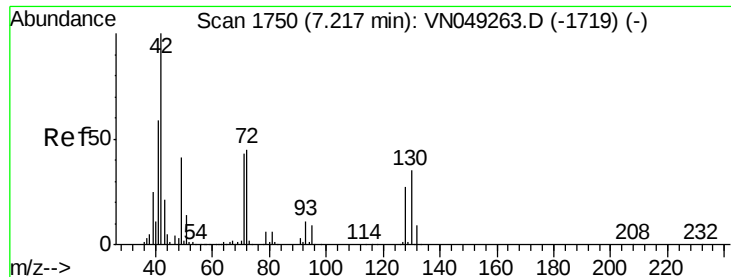
Tot Ion: 84 Resp: 641663  
Ion Ratio Lower Upper  
84 100  
49 119.2 106.9 160.3  
51 36.5 32.7 49.1  
86 64.0 49.8 74.8



#25  
2-Butanone  
Concen: 0.70 ug/l  
RT: 6.84 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

Tgt Ion: 43 Resp: 3971  
Ion Ratio Lower Upper  
43 100  
72 2.3 20.2 30.2#

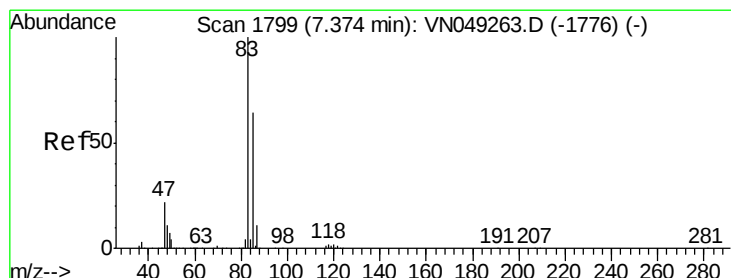
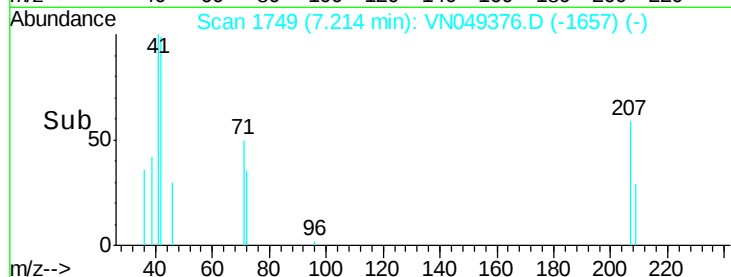
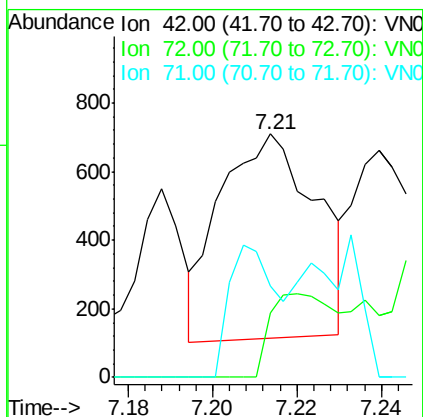
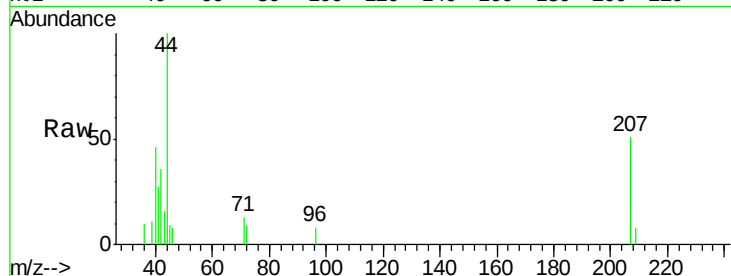




#29  
Tetrahydrofuran  
Concen: 0.26 ug/l  
RT: 7.21 min Scan# 1749  
Delta R.T. -0.00 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

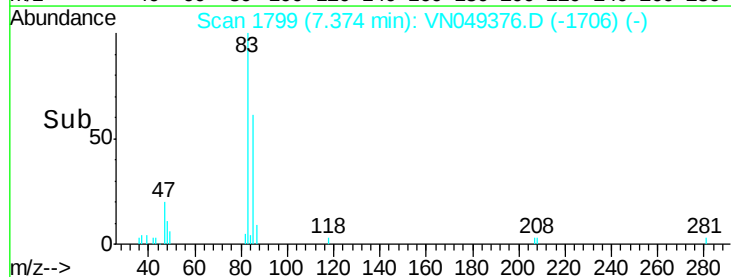
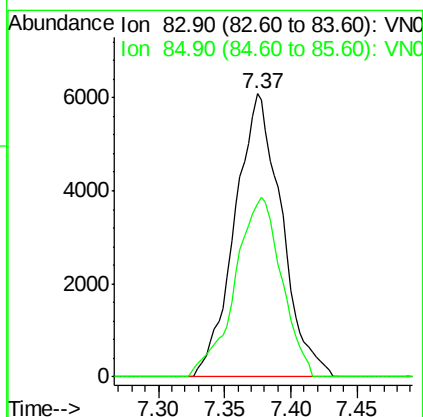
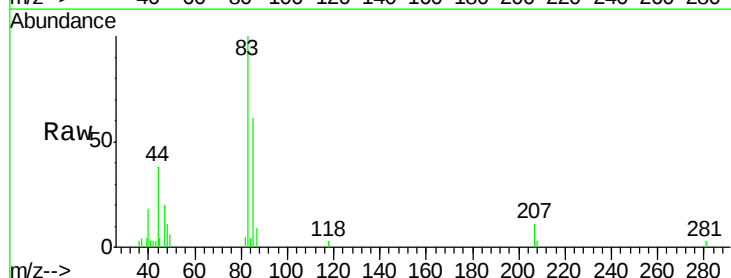
Instrument :  
MSVOA\_N  
ClientSampled :

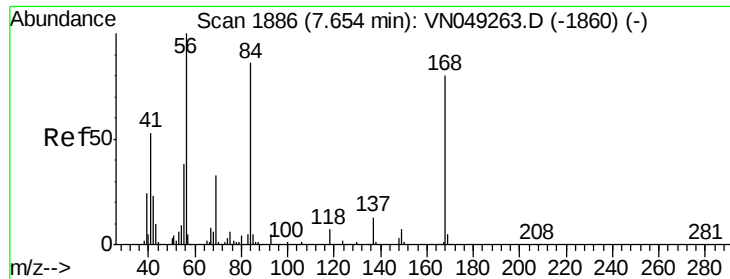
Tot Ion: 42 Resp: 943  
Ion Ratio Lower Upper  
42 100  
72 26.7 32.2 48.4#  
71 31.1 30.5 45.7



#30  
Chloroform  
Concen: 0.50 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

Tgt Ion: 83 Resp: 14896  
Ion Ratio Lower Upper  
83 100  
85 61.3 51.7 77.5

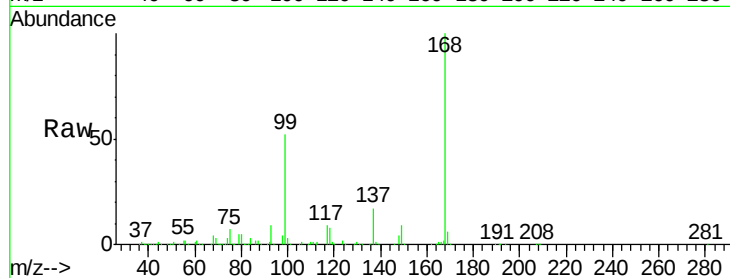




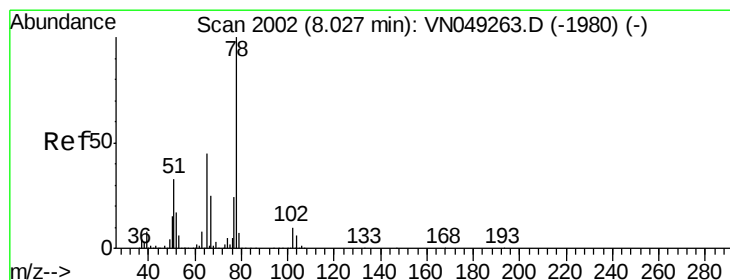
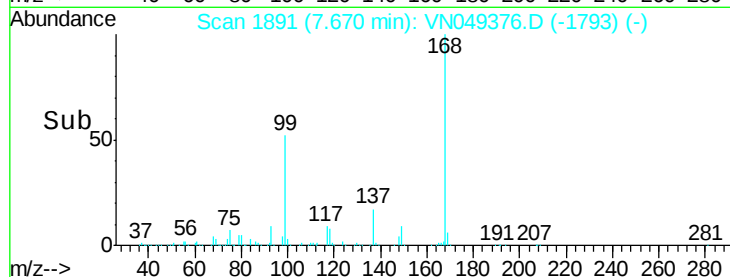
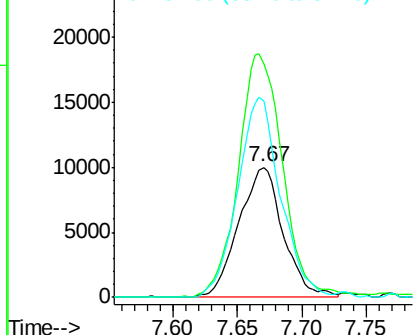
#31  
Cvclohexane  
Concen: 0.77 ug/l  
RT: 7.67 min Scan# 1891  
Delta R.T. 0.02 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 24058  
Ion Ratio Lower Upper  
56 100  
69 179.8 25.0 37.4#  
84 151.0 64.6 96.8#

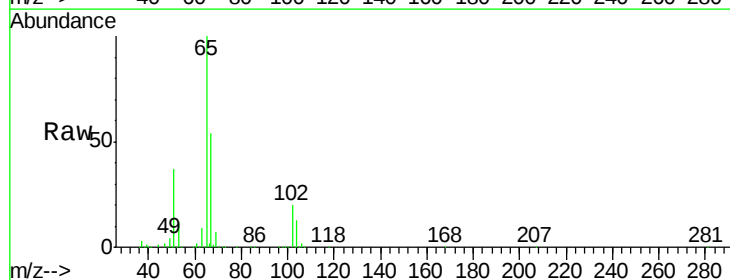


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

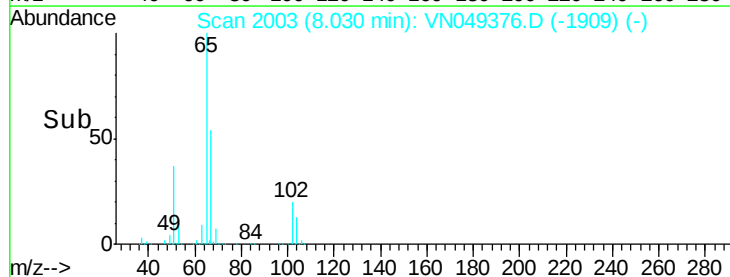
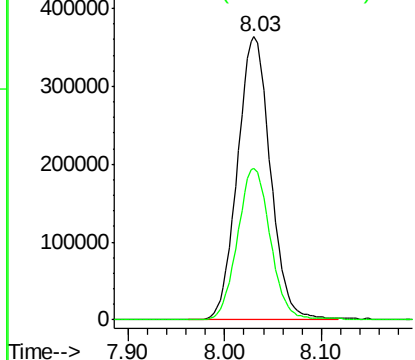


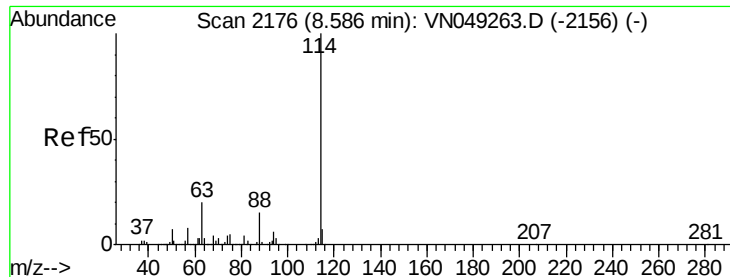
#33  
1,2-Dichloroethane-d4  
Concen: 49.82 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

Tgt Ion: 65 Resp: 862339  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 103.8



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

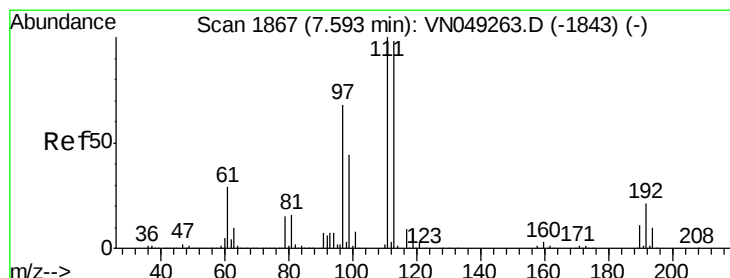
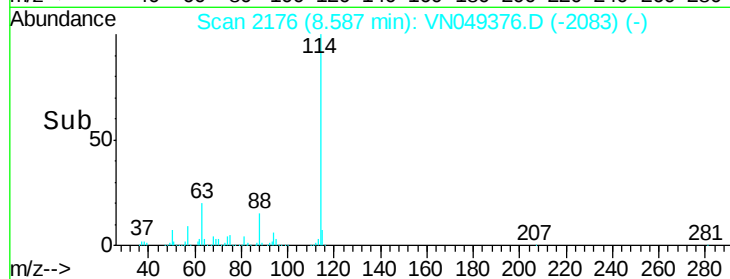
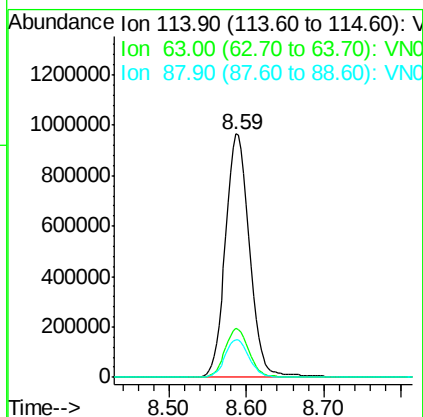
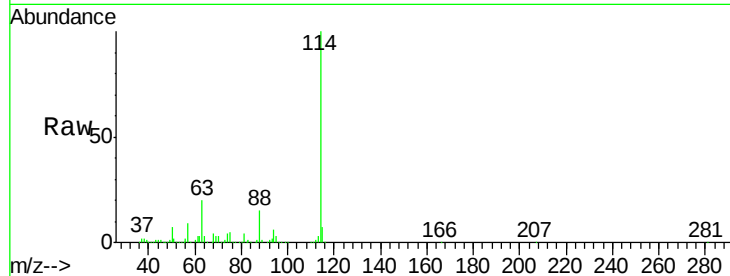




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049376.D  
 Acq: 19 Jun 2018 6:15

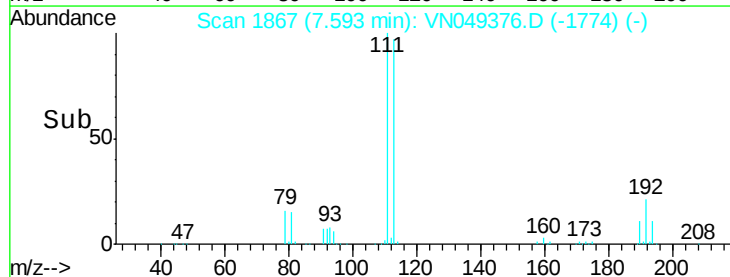
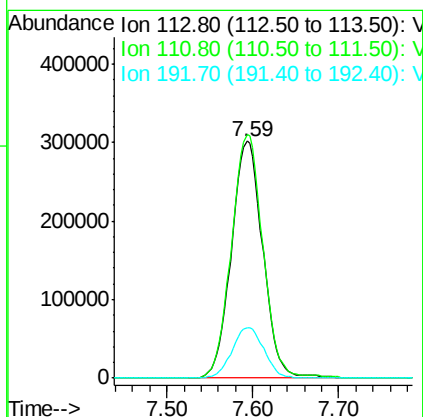
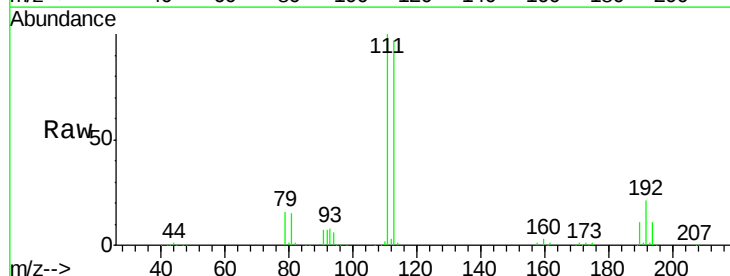
Instrument :  
 MSVOA\_N  
 ClientSampleId :

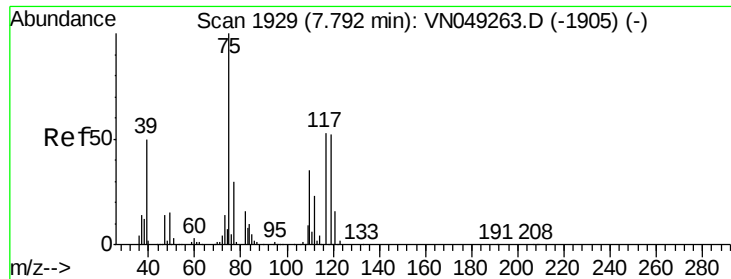
Tot Ion:114 Resp: 2086471  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 44.4  
 88 15.5 0.0 31.4



#35  
 Dibromofluoromethane  
 Concen: 45.44 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN049376.D  
 Acq: 19 Jun 2018 6:15

Tgt Ion:113 Resp: 767106  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 82.4 123.6  
 192 21.6 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.86 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :  
MSVOA\_N  
ClientSampled :

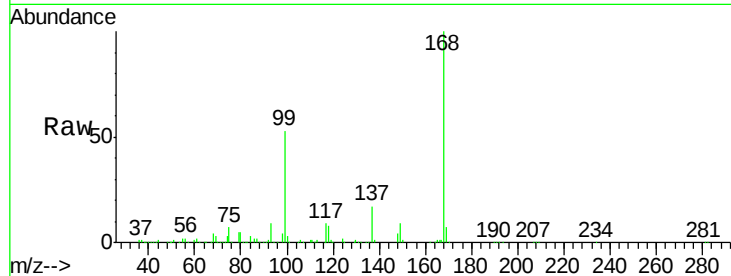
Tot Ion: 75 Resp: 92326

Ion Ratio Lower Upper

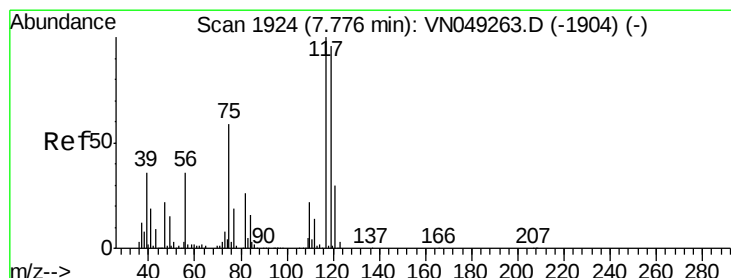
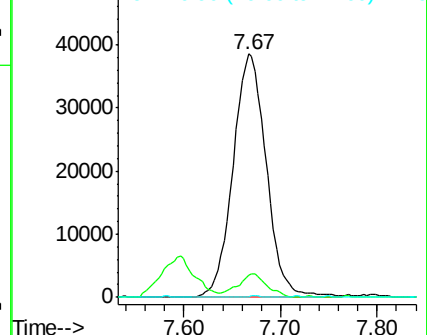
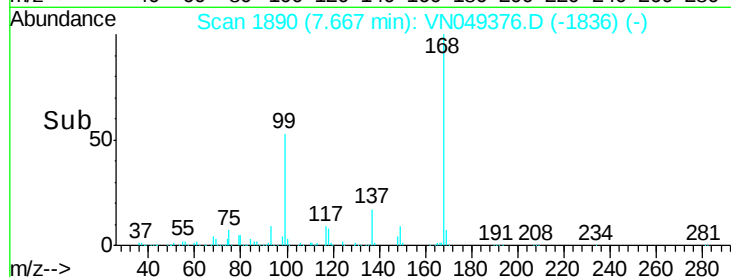
75 100

110 8.7 17.0 50.9#

77 0.2 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049376.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.78 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

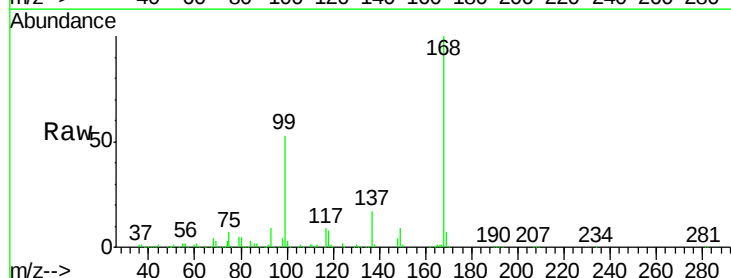
Tgt Ion: 117 Resp: 118335

Ion Ratio Lower Upper

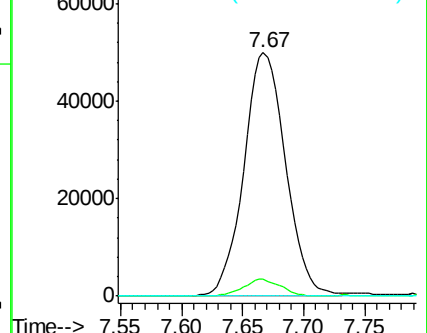
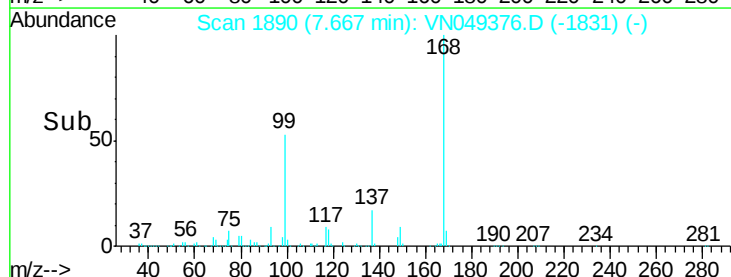
117 100

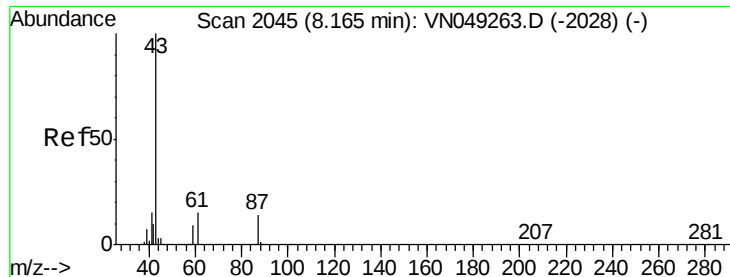
119 7.0 75.6 113.4#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN049376.D (-1831) (-)

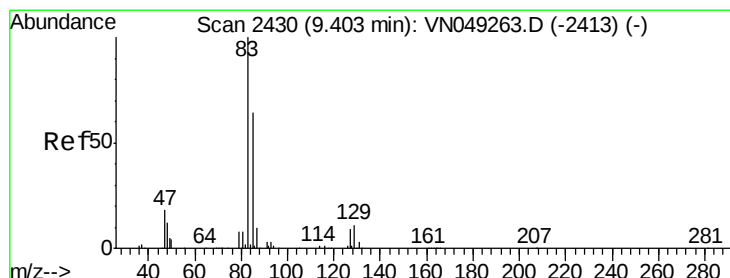
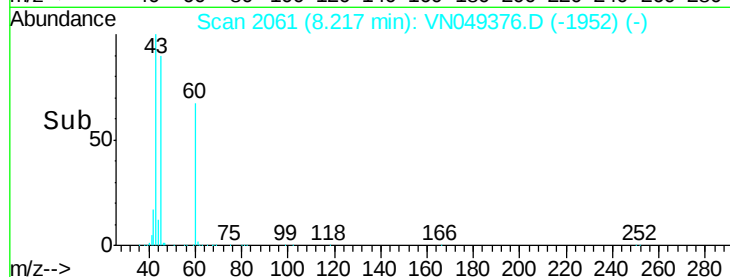
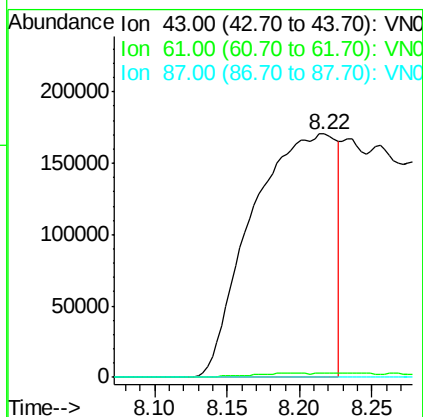
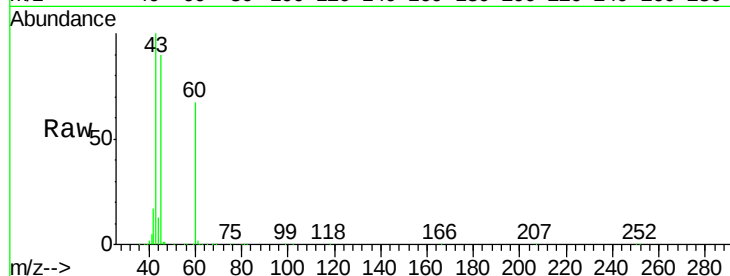




#43  
Isopropyl Acetate  
Concen: 27.38 ug/l  
RT: 8.22 min Scan# 2061  
Delta R.T. 0.05 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

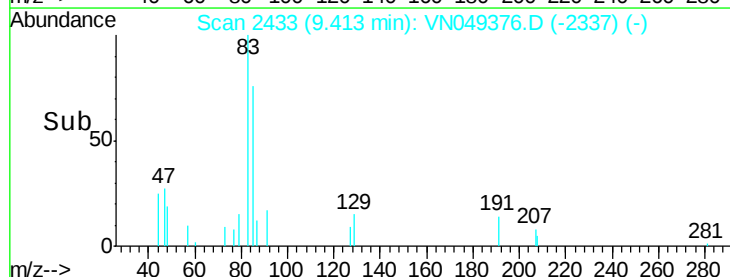
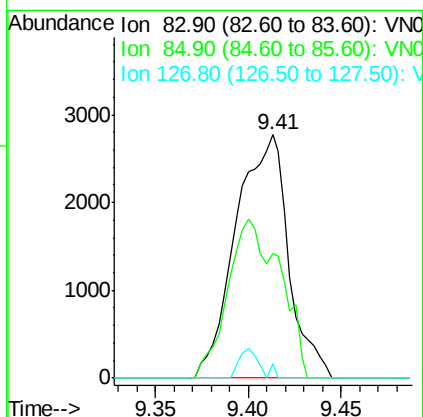
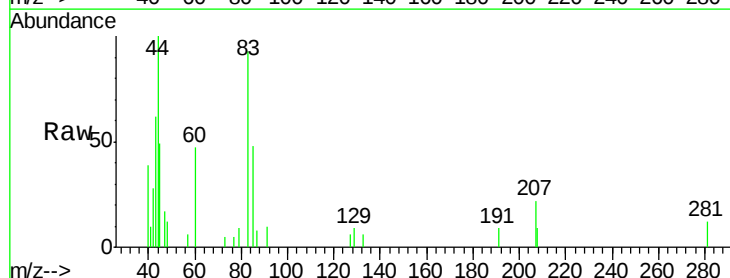
Instrument :  
MSVOA\_N  
ClientSampleId :

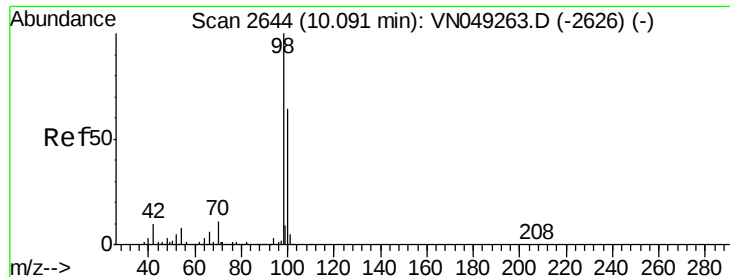
Tot Ion: 43 Resp: 680182  
Ion Ratio Lower Upper  
43 100  
61 0.0 14.2 21.4#  
87 0.0 9.4 14.0#



#47  
Bromodichloromethane  
Concen: 0.22 ug/l  
RT: 9.41 min Scan# 2433  
Delta R.T. 0.01 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

Tgt Ion: 83 Resp: 5474  
Ion Ratio Lower Upper  
83 100  
85 51.0 49.4 74.0  
127 6.0 6.3 9.5#





#50

Toluene-d8

Concen: 43.95 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

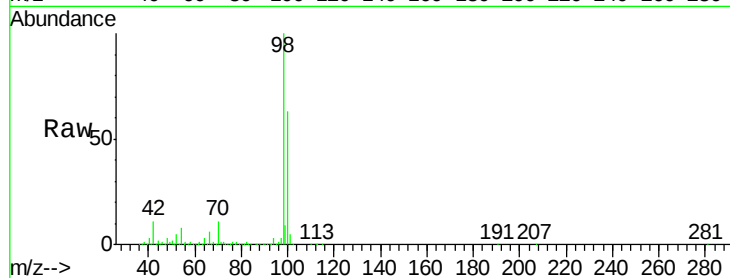
ClientSampled :

Tot Ion: 98 Resp: 2824682

Ion Ratio Lower Upper

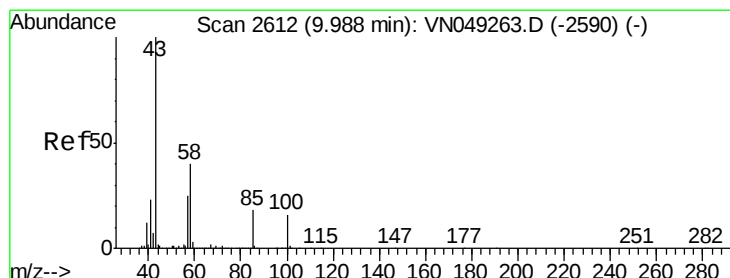
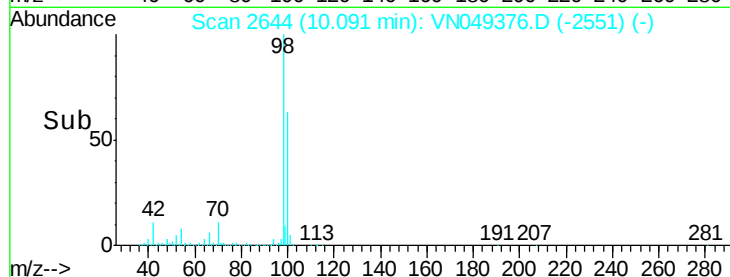
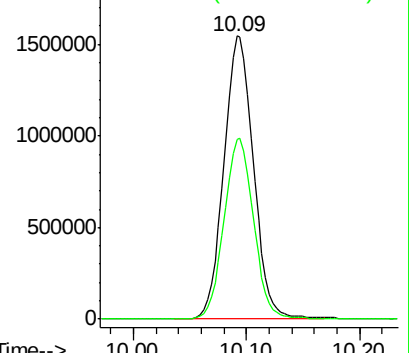
98 100

100 63.8 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049376.D

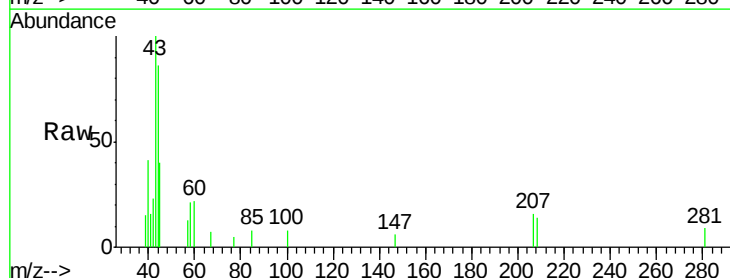
Acq: 19 Jun 2018 6:15

Tgt Ion: 43 Resp: 3886

Ion Ratio Lower Upper

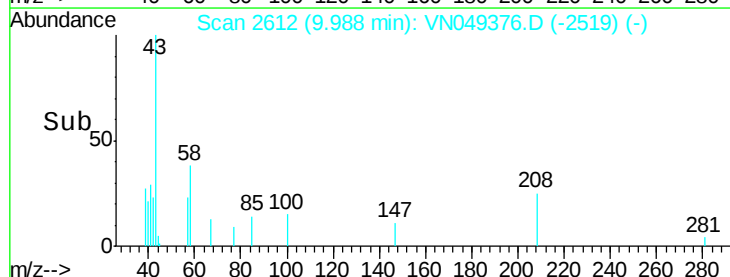
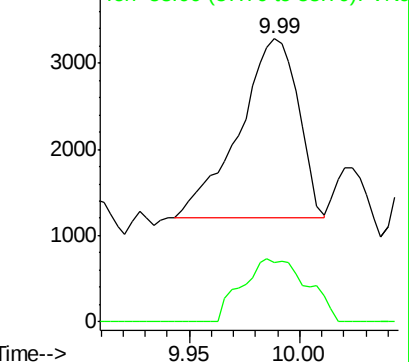
43 100

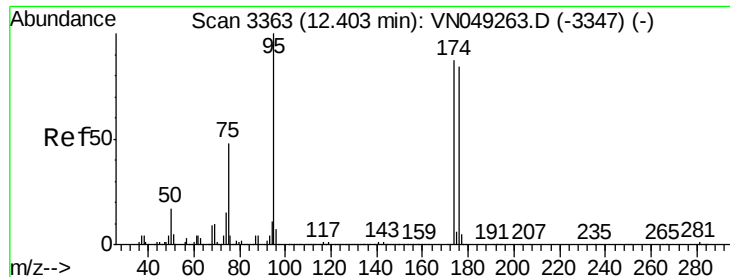
58 38.5 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

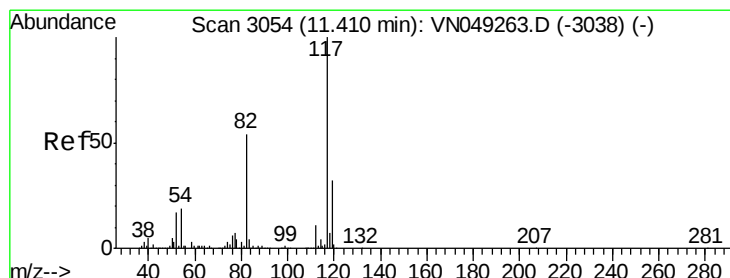
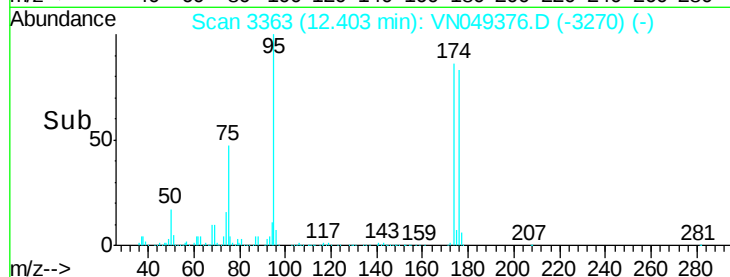
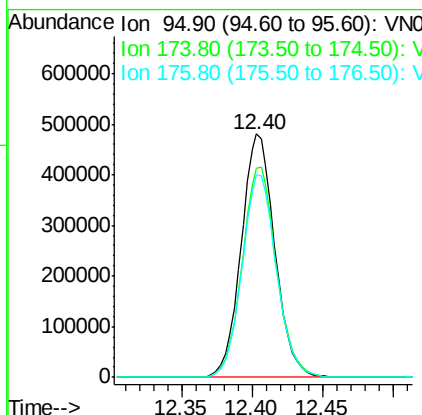
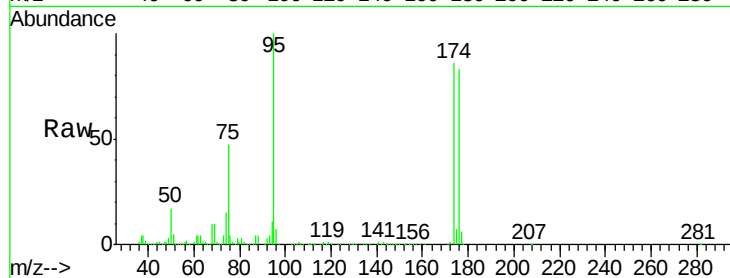




#62  
4-Bromofluorobenzene  
Concen: 37.71 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

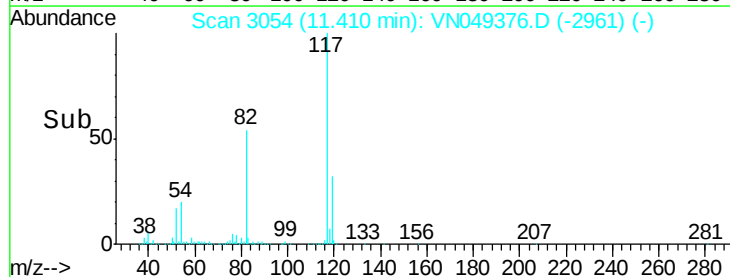
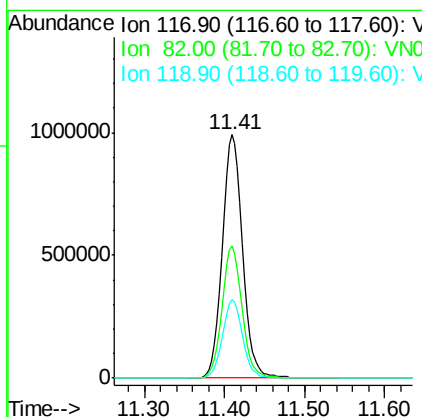
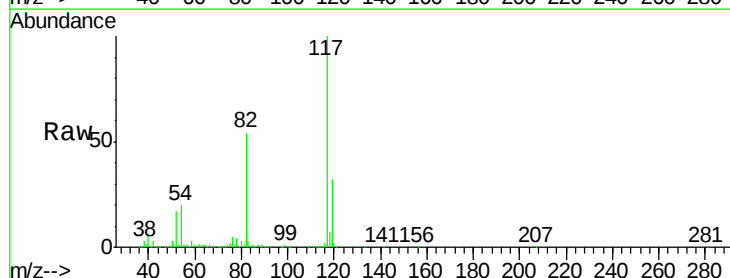
Instrument :  
MSVOA\_N  
ClientSampleId :

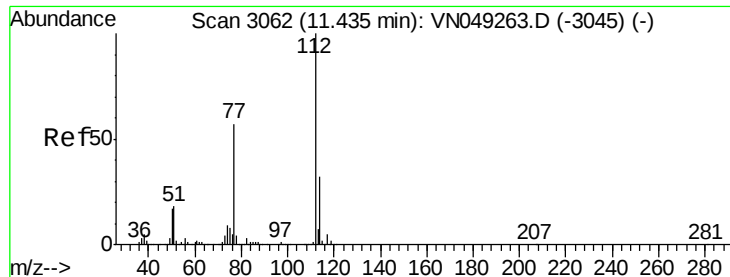
Tot Ion: 95 Resp: 801462  
Ion Ratio Lower Upper  
95 100  
174 88.3 0.0 165.6  
176 85.2 0.0 157.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049376.D  
Acq: 19 Jun 2018 6:15

Tgt Ion: 117 Resp: 1740101  
Ion Ratio Lower Upper  
117 100  
82 54.3 45.9 68.9  
119 32.4 25.5 38.3





#65

Chlorobenzene

Concen: 0.29 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

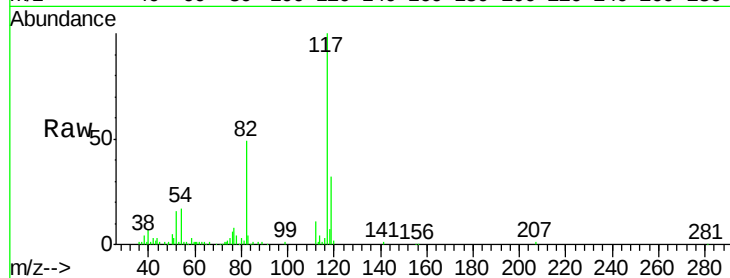
ClientSampleId :

Tot Ion:112 Resp: 13105

Ion Ratio Lower Upper

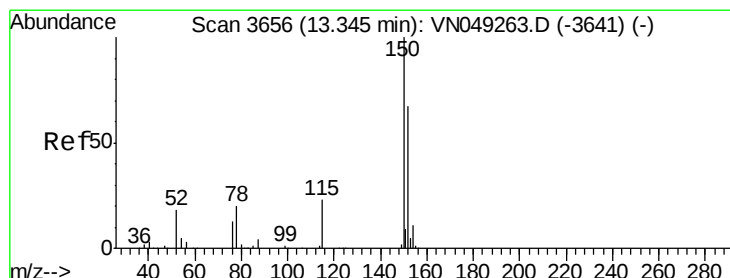
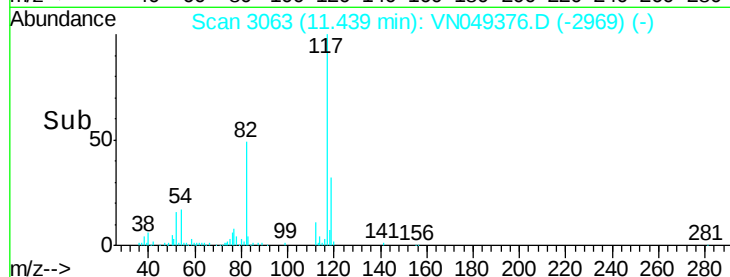
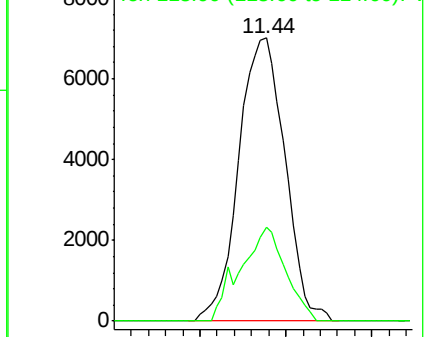
112 100

114 33.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

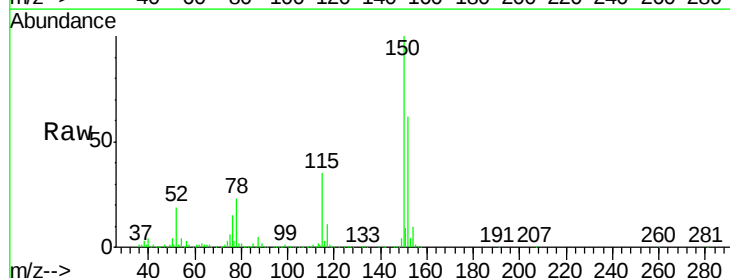
Tgt Ion:152 Resp: 609628

Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.1

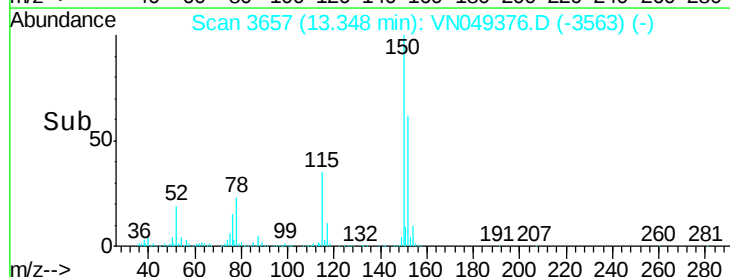
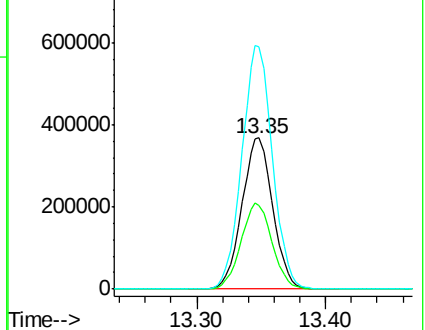
150 159.8 0.0 351.0

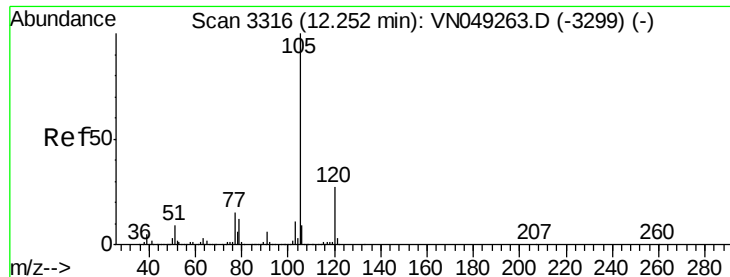


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.67 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

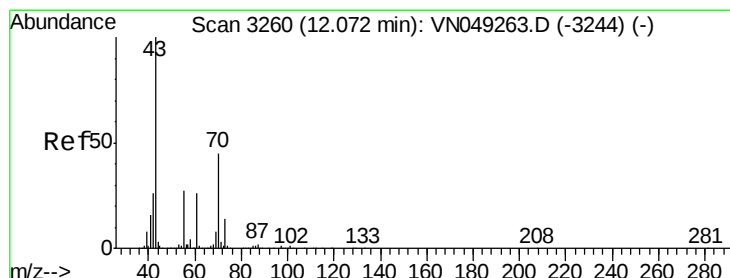
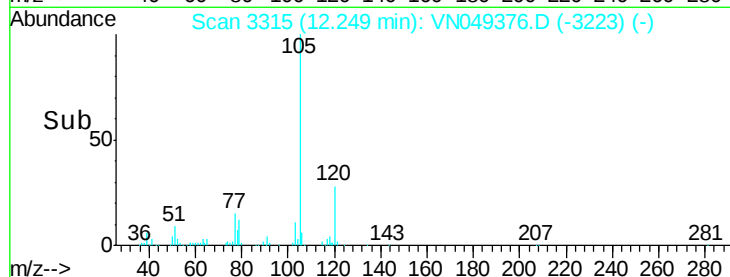
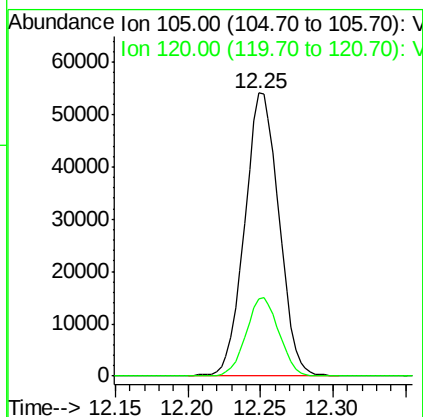
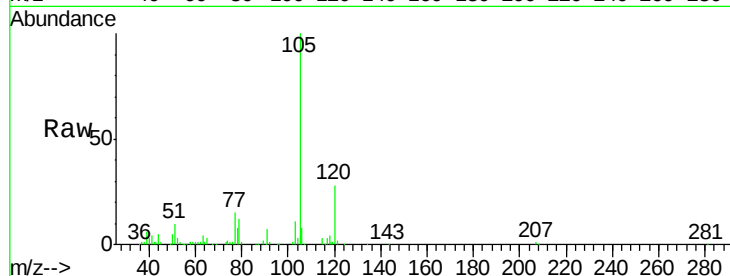
ClientSampled :

Tot Ion: 105 Resp: 89227

Ion Ratio Lower Upper

105 100

120 26.7 12.8 38.3



#74

N-ethyl acetate

Concen: 0.24 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Tgt Ion: 43 Resp: 3131

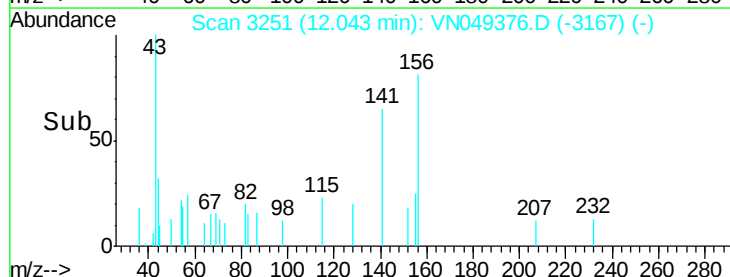
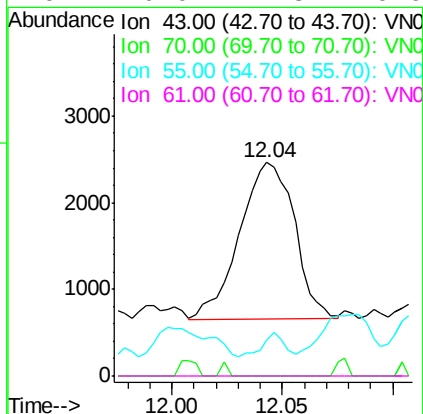
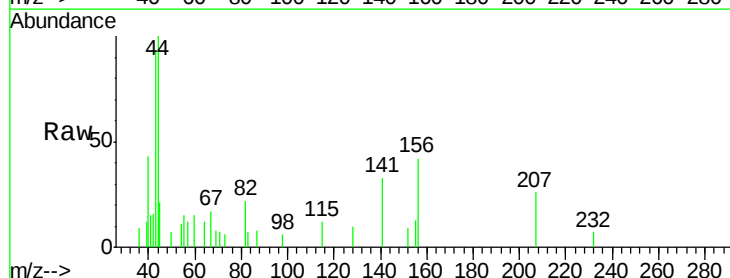
Ion Ratio Lower Upper

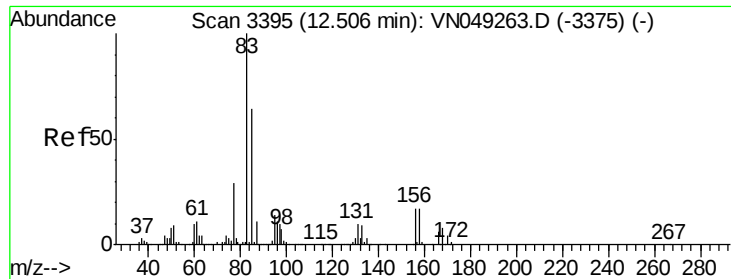
43 100

70 0.0 30.3 45.5#

55 4.5 19.4 29.2#

61 0.0 17.8 26.6#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3385

Delta R.T. -0.03 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

ClientSampleId :

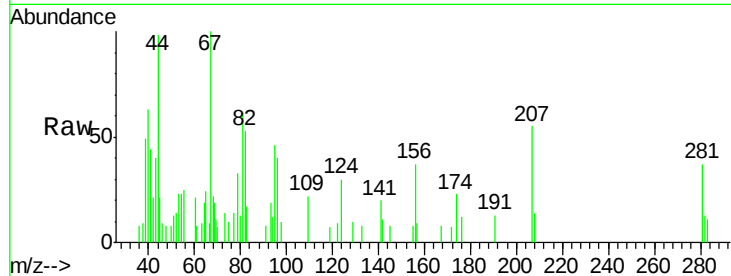
Tot Ion: 83 Resp: 502

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.0 96.0#

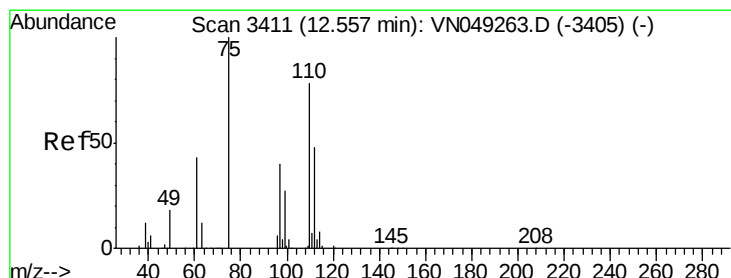
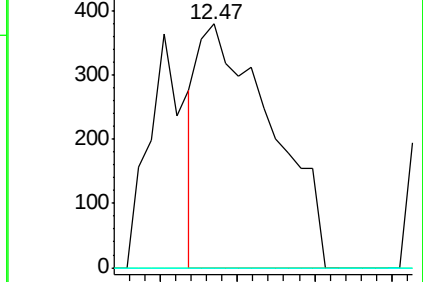
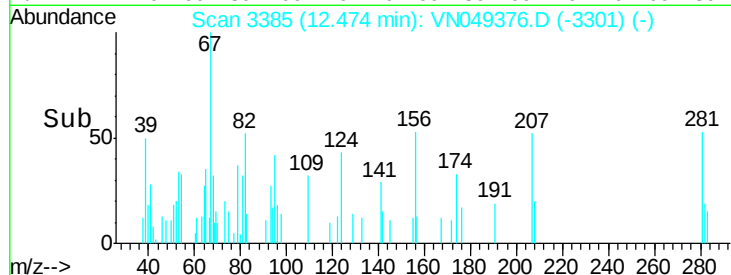


Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

Time-->



#76

1,2,3-Trichloropropane

Concen: 36.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049376.D

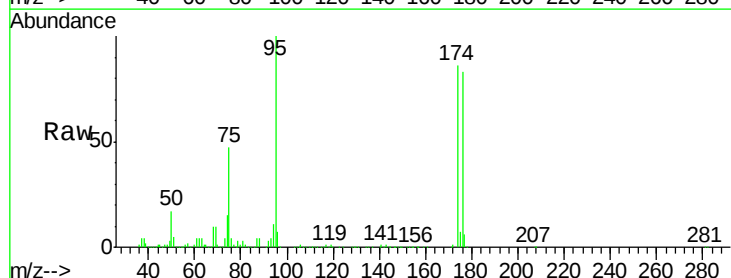
Acq: 19 Jun 2018 6:15

Tgt Ion: 75 Resp: 382050

Ion Ratio Lower Upper

75 100

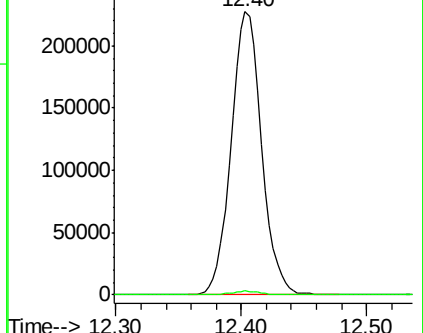
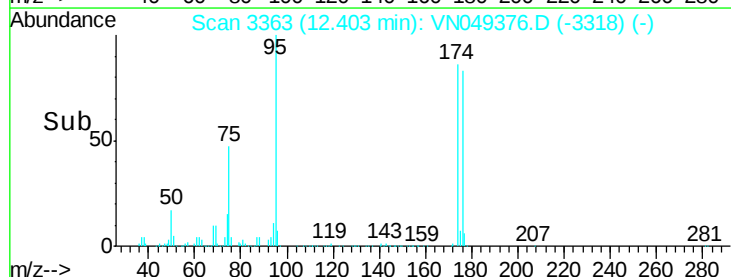
77 1.4 0.0 0.0#

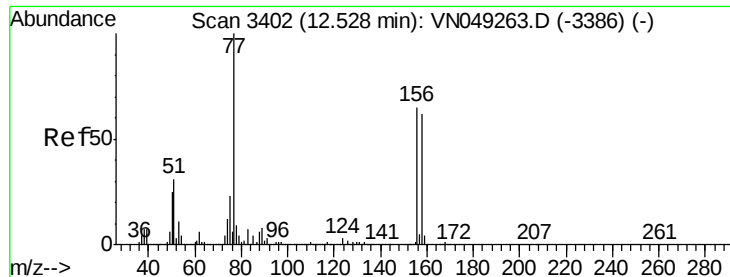


Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

Time-->





#77

Bromobenzene

Concen: 0.42 ug/l

RT: 12.52 min Scan# 3400

Delta R.T. -0.01 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

ClientSampleId :

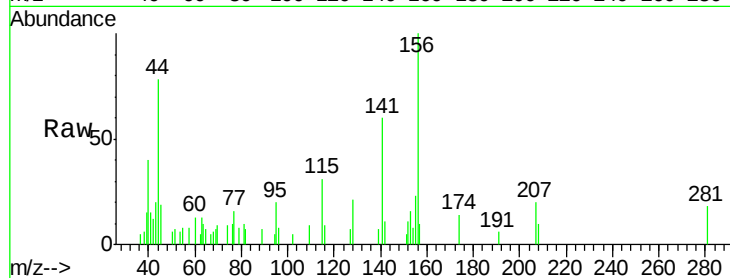
Tot Ion:156 Resp: 5964

Ion Ratio Lower Upper

156 100

77 10.4 100.8 302.4#

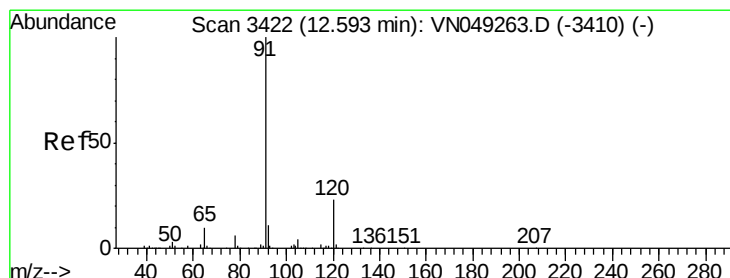
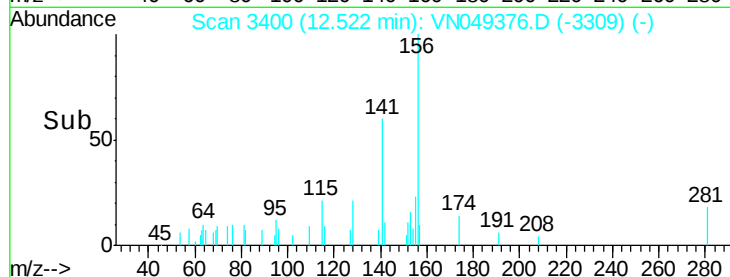
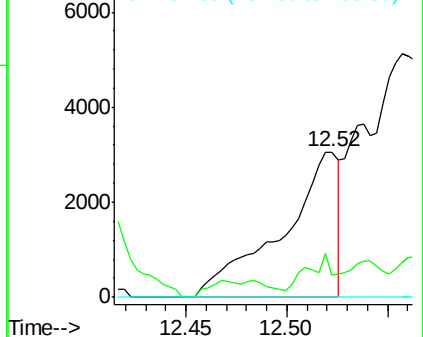
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.66 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049376.D

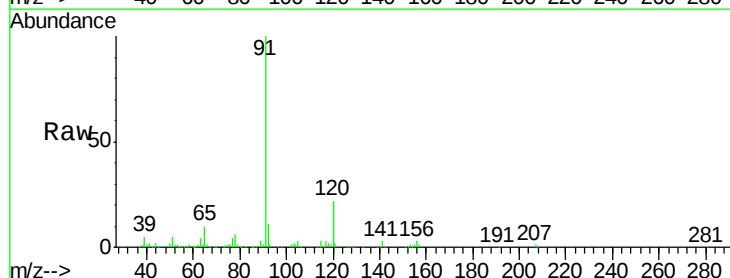
Acq: 19 Jun 2018 6:15

Tgt Ion: 91 Resp: 215128

Ion Ratio Lower Upper

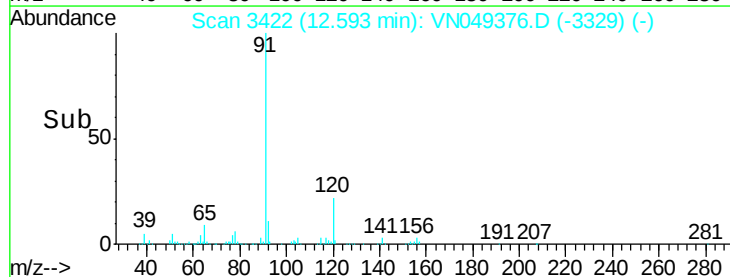
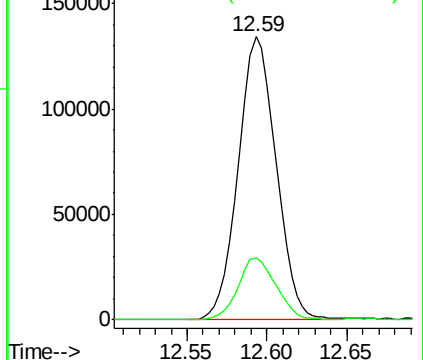
91 100

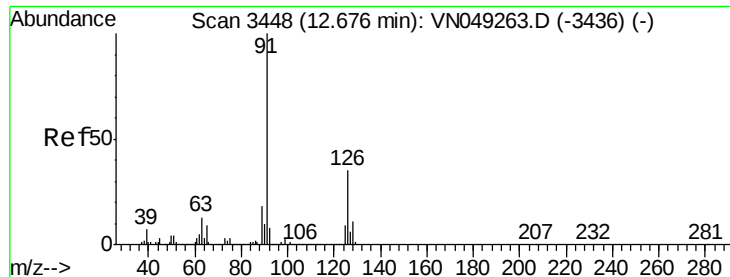
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.78 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

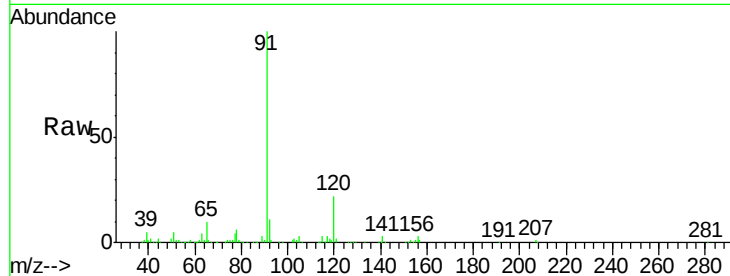
ClientSampleId :

Tot Ion: 91 Resp: 215128

Ion Ratio Lower Upper

91 100

126 0.1 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

150000

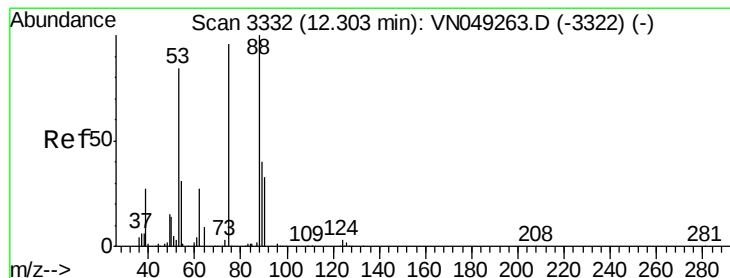
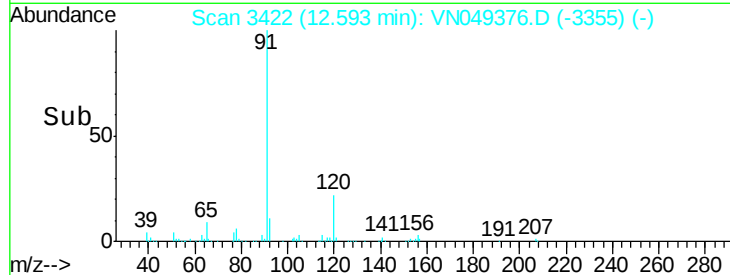
100000

50000

0

12.55 12.60 12.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 116.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

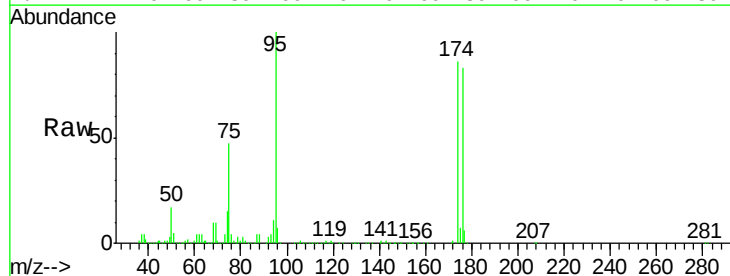
Tgt Ion: 75 Resp: 382050

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

250000

200000

150000

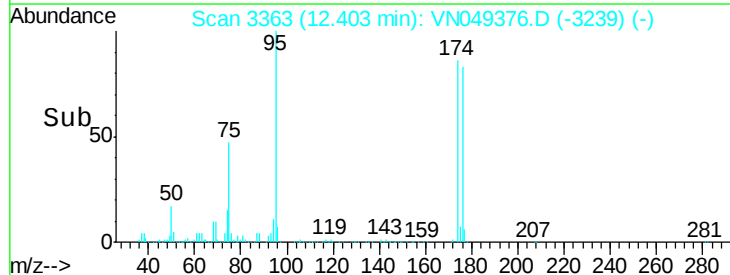
100000

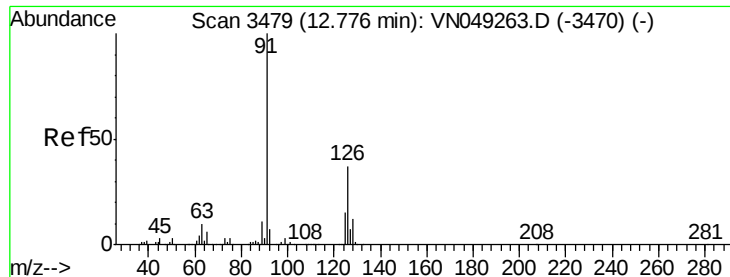
50000

0

12.30 12.40 12.50

Time-->





#82

4-Chlorotoluene

Concen: 5.99 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

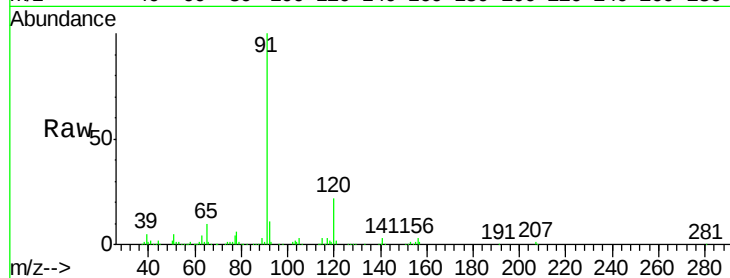
ClientSampleId :

Tot Ion: 91 Resp: 215128

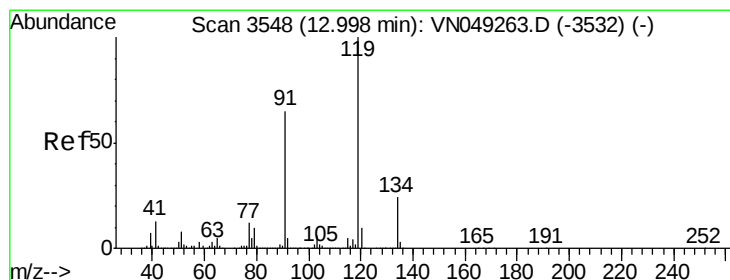
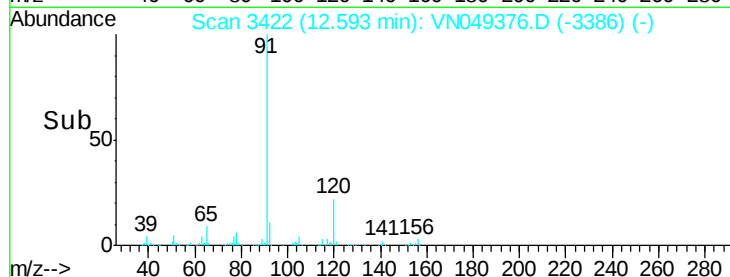
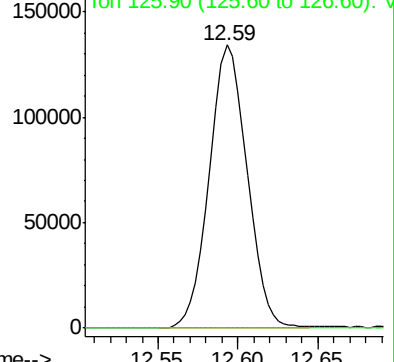
Ion Ratio Lower Upper

91 100

126 0.1 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN049376.D (-3422) (-)



#83

tert-Butylbenzene

Concen: 0.28 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

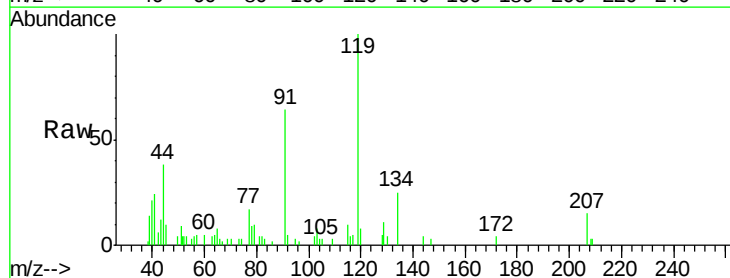
Tgt Ion: 119 Resp: 10369

Ion Ratio Lower Upper

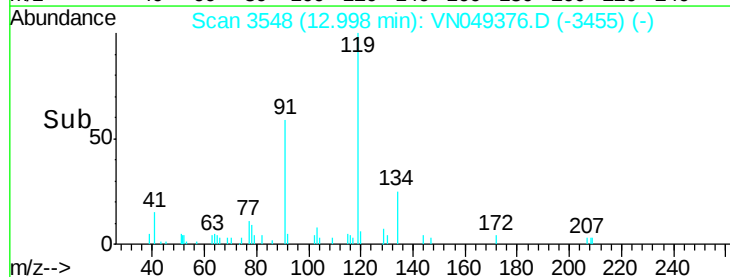
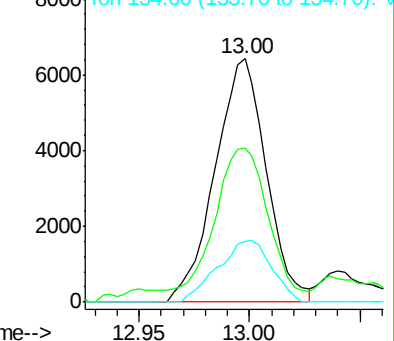
119 100

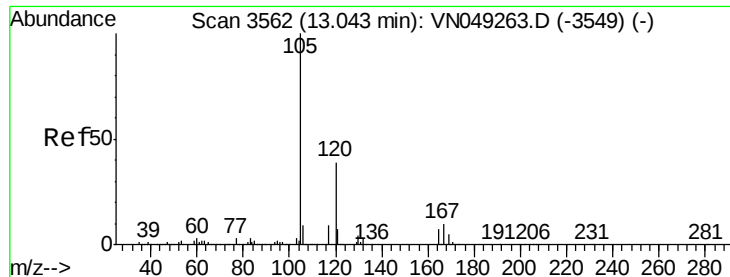
91 60.9 33.7 101.0

134 26.5 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): VN049376.D (-3548) (-)





#84

1,2,4-Trimethylbenzene

Concen: 0.21 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

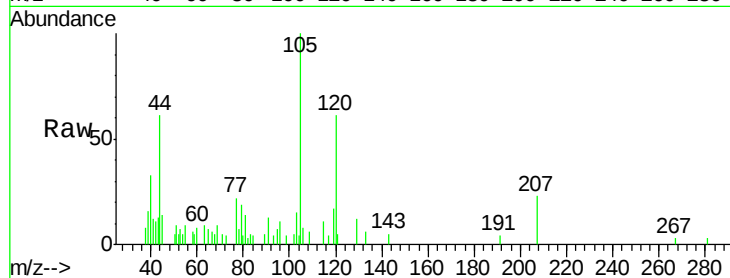
ClientSampleId :

Tot Ion:105 Resp: 8708

Ion Ratio Lower Upper

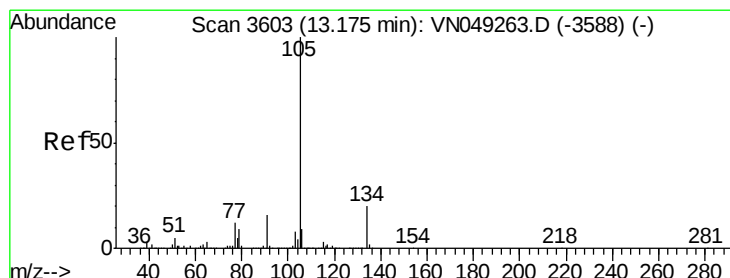
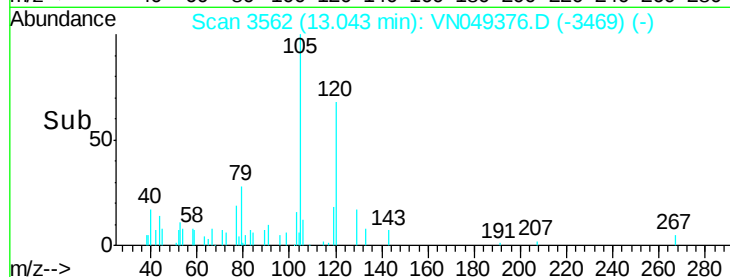
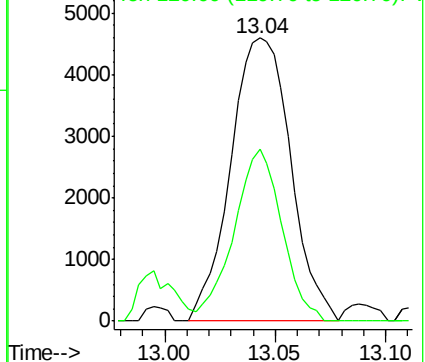
105 100

120 48.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.00 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049376.D

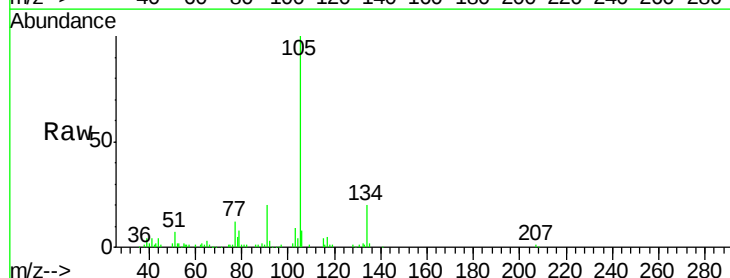
Acq: 19 Jun 2018 6:15

Tgt Ion:105 Resp: 99333

Ion Ratio Lower Upper

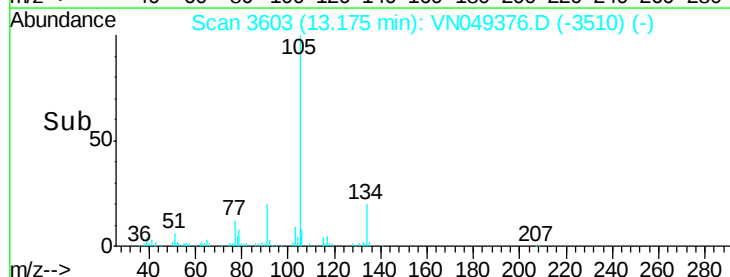
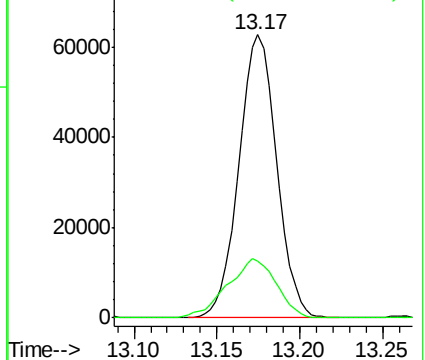
105 100

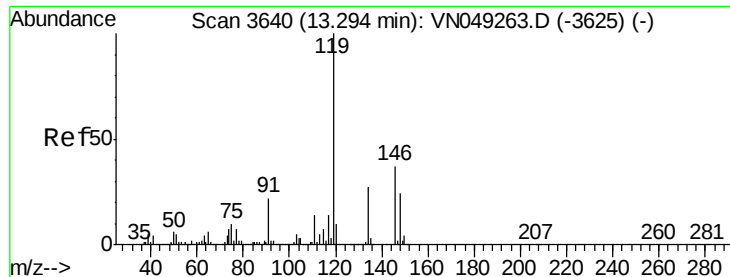
134 26.9 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 0.82 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

ClientSampled :

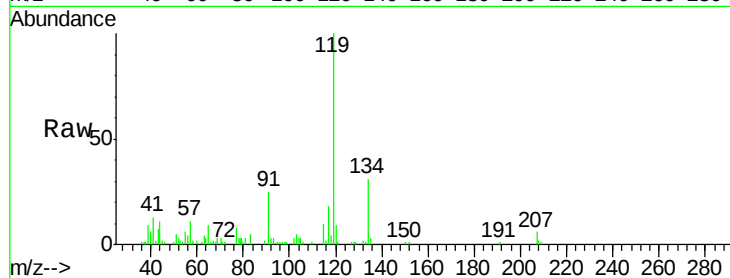
Tot Ion:119 Resp: 33797

Ion Ratio Lower Upper

119 100

134 29.7 12.9 38.6

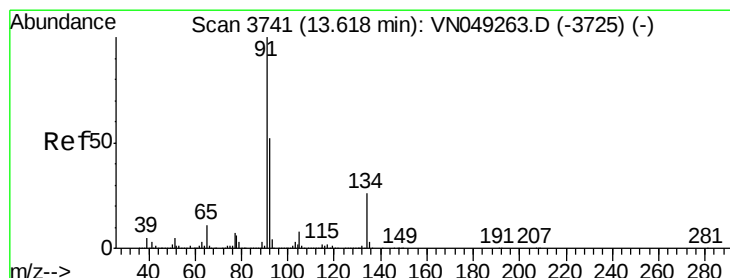
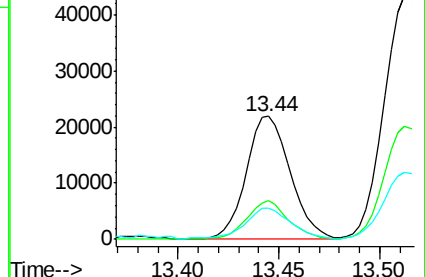
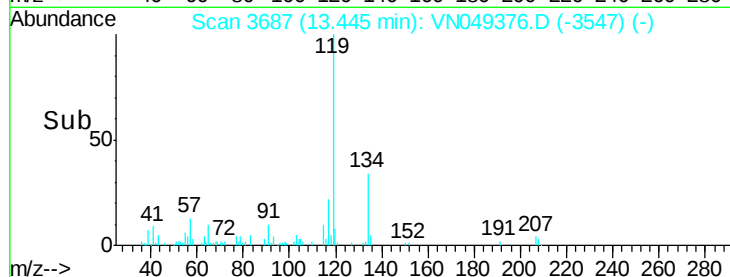
91 24.5 12.1 36.3



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: 1.55 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

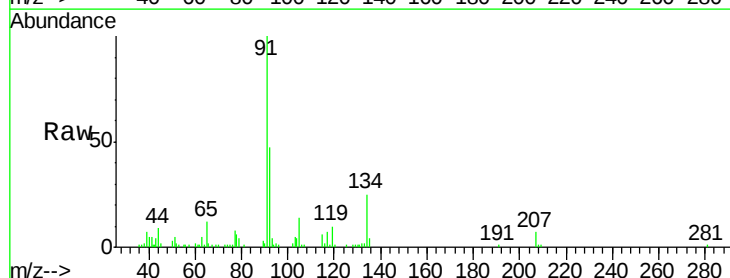
Tgt Ion: 91 Resp: 50095

Ion Ratio Lower Upper

91 100

92 45.7 25.1 75.4

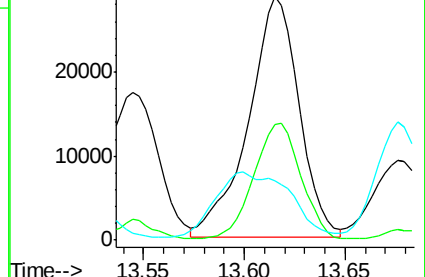
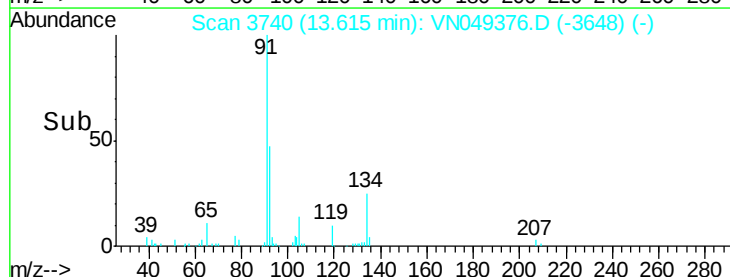
134 43.2 12.0 36.0#

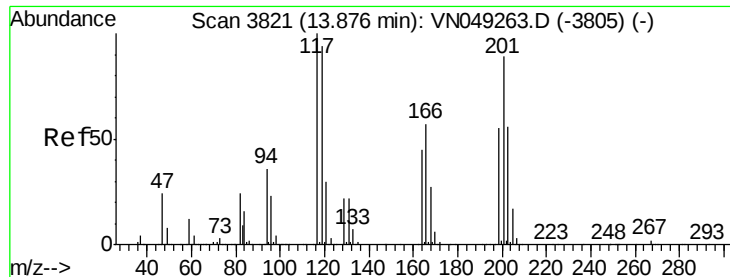


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 3.41 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

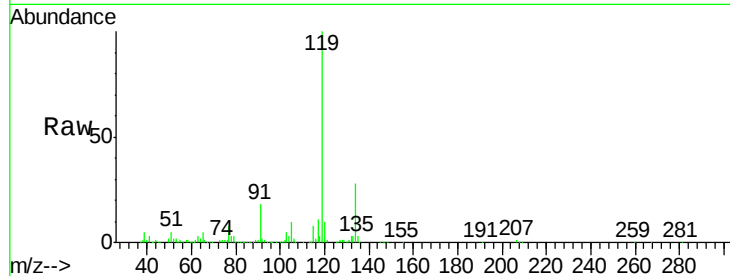
ClientSampled :

Tot Ion:117 Resp: 39134

Ion Ratio Lower Upper

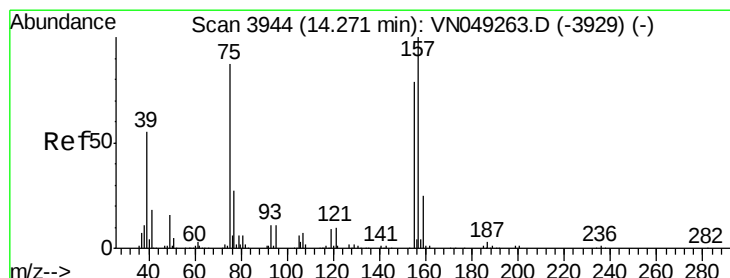
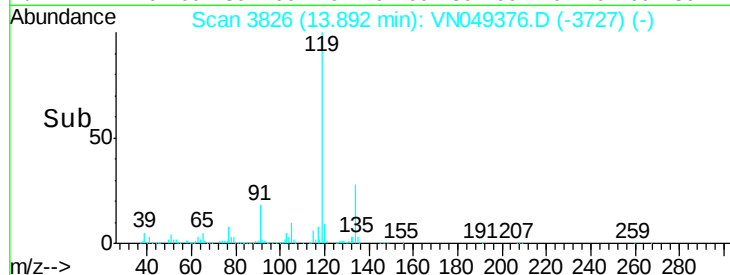
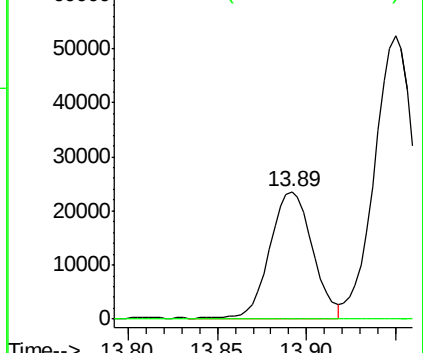
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.33 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

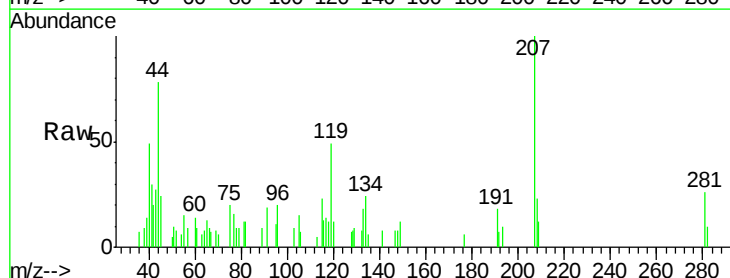
Tgt Ion: 75 Resp: 615

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

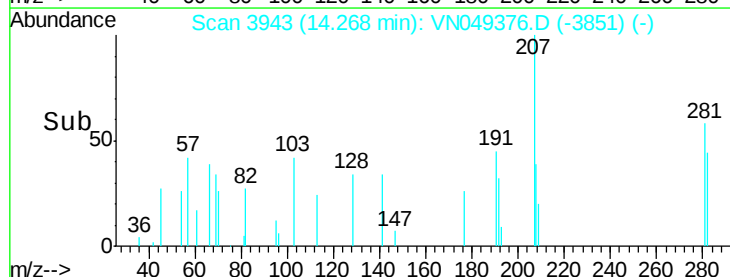
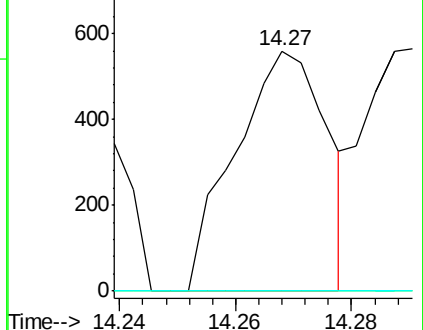
157 0.0 51.0 153.1#

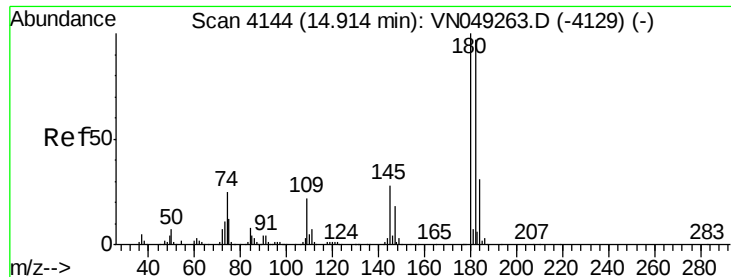


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 4.77 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

Instrument :

MSVOA\_N

ClientSampleId :

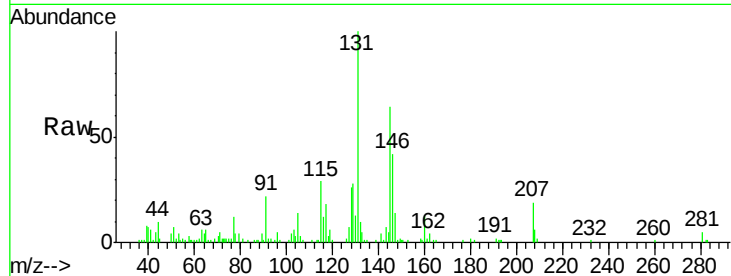
Tot Ion:180 Resp: 334

Ion Ratio Lower Upper

180 100

182 137.7 46.9 140.8

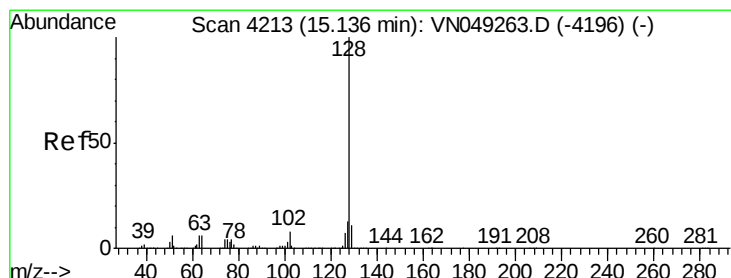
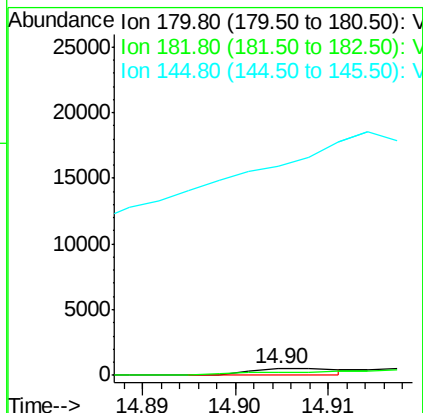
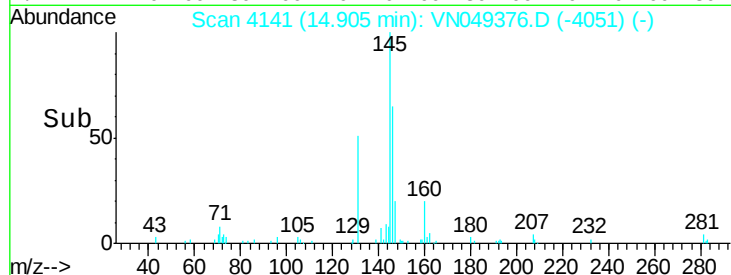
145 14127.5 14.7 44.1#



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: 7.47 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049376.D

Acq: 19 Jun 2018 6:15

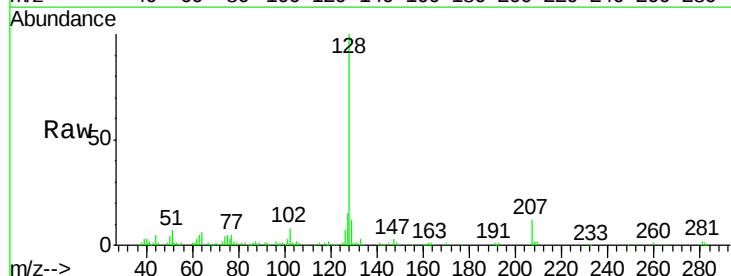
Tgt Ion:128 Resp: 92442

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

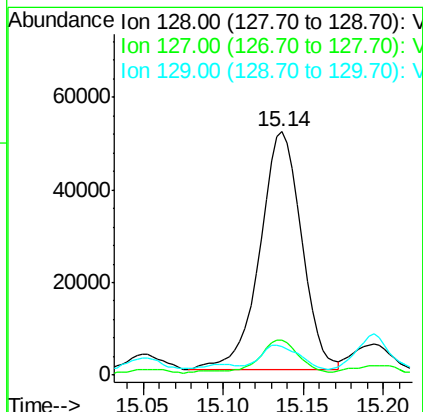
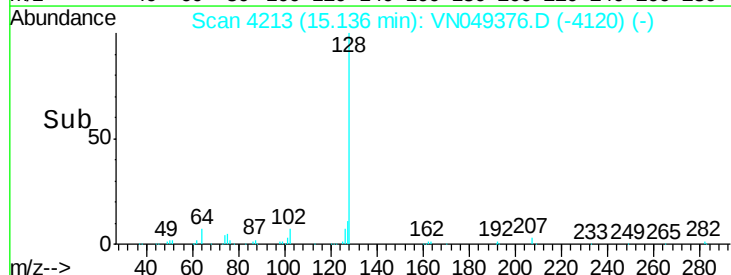
129 9.3 8.5 12.7

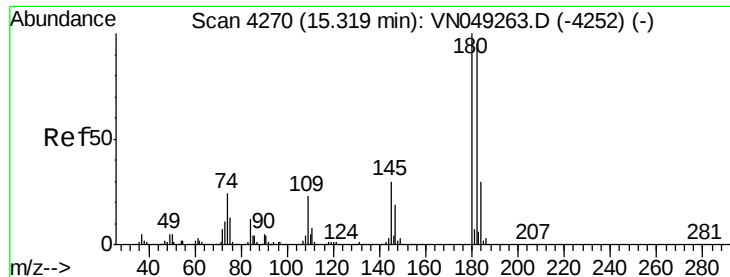


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.47 ug/l  
 RT: 15.31 min Scan# 4267  
 Delta R.T. -0.01 min  
 Lab File: VN049376.D  
 Acq: 19 Jun 2018 6:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 146.9 | 47.3  | 141.8# |
| 145     | 0.0   | 15.6  | 46.7#  |

