

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\  
 Data File : VN049609.D  
 Acq On : 29 Jun 2018 00:26  
 Operator : MD\SY  
 Sample : VN0628WBL02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 29 04:19:24 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  | 1459541  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2334788  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1947689  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 752505   | 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   | 975945   | 50.41 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.82% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 861411   | 45.60 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.20%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 3181820  | 44.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.48%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 913558   | 38.41 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 76.82%  |          |

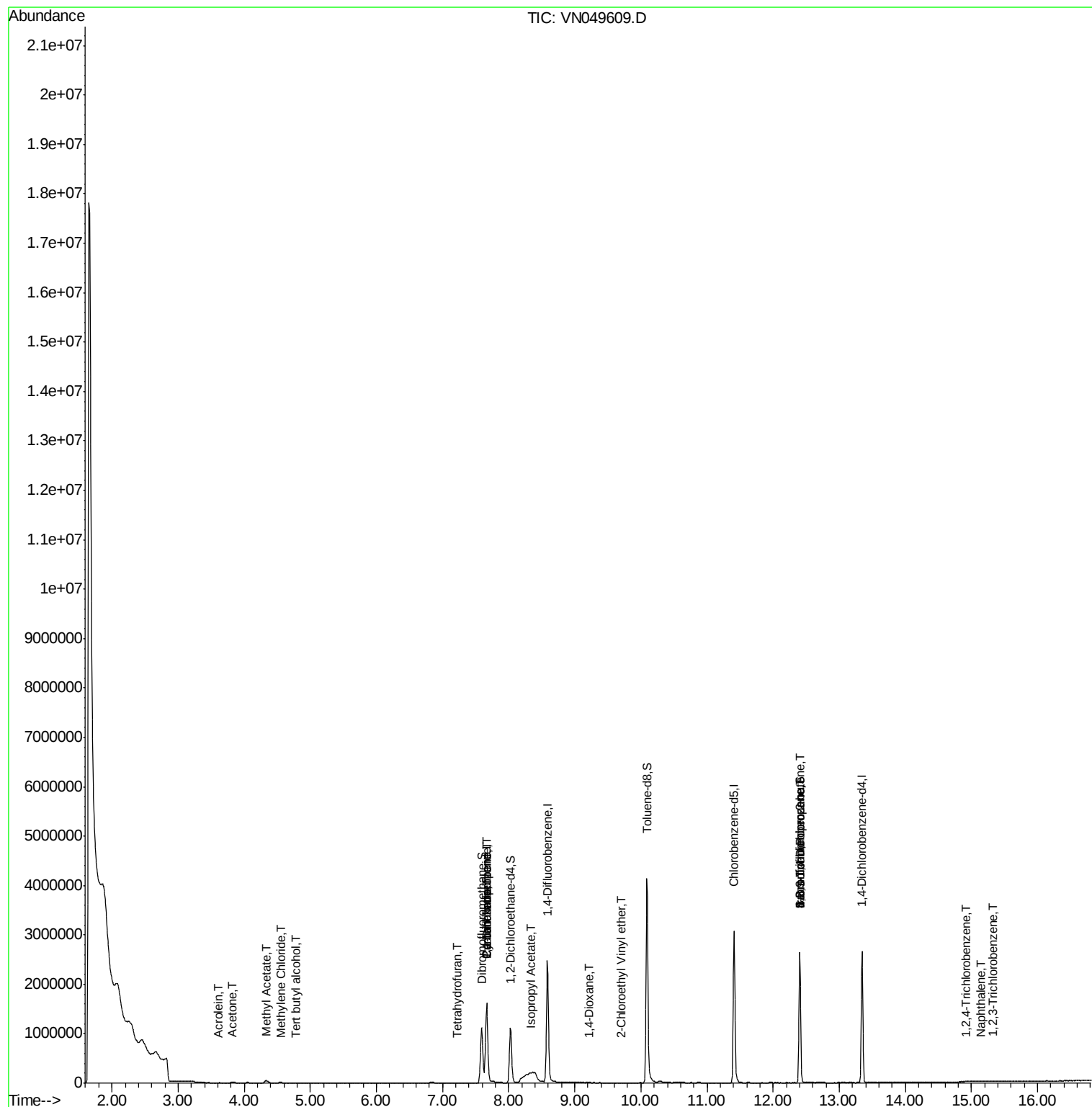
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.78  | 59   | 356      | 0.31   | ug/l # | 81     |
| 13) Acrolein                   | 3.61  | 56   | 1163     | 0.98   | ug/l   | 89     |
| 16) Acetone                    | 3.82  | 43   | 28741    | 6.11   | ug/l   | 95     |
| 18) Methyl Acetate             | 4.33  | 43   | 85375    | 5.96   | ug/l   | 93     |
| 20) Methylene Chloride         | 4.55  | 84   | 5998     | 0.31   | ug/l # | 79     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 903      | 0.22   | ug/l # | 75     |
| 31) Cyclohexane                | 7.67  | 56   | 27096    | 0.77   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 98769    | 3.69   | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 128123   | 4.62   | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.32  | 43   | 431183   | 15.51  | ug/l # | 64     |
| 49) 1,4-Dioxane                | 9.21  | 88   | 221      | 1.22   | ug/l # | 5      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 203      | 14.35  | ug/l # | 51     |
| 71) Bromoform                  | 12.40 | 173  | 6602     | 0.54   | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 224      | Below  | Cal #  | 78     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 445436   | 34.69  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 445436   | 109.65 | ug/l # | 9      |
| 90) Hexachloroethane           | 13.83 | 117  | 32       | Below  | Cal #  | 9      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 2632     | 4.93   | ug/l   | 94     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 1757     | Below  | Cal    | 93     |
| 95) Naphthalene                | 15.13 | 128  | 6113     | 2.37   | ug/l # | 96     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 2569     | 3.65   | ug/l   | 84     |

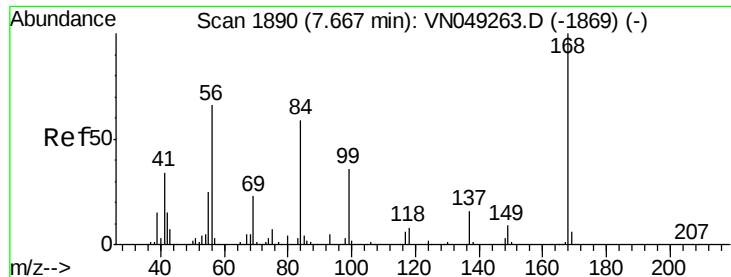
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\  
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Sample : VN0628WBL02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 29 04:19:24 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: VN049609.D

Acq: 29 Jun 2018 00:26

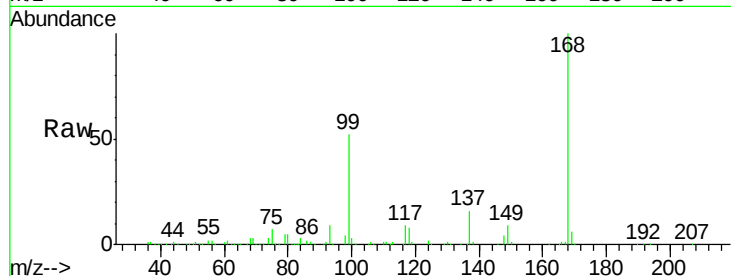
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 1459541

Ion Ratio Lower Upper

168 100

99 51.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

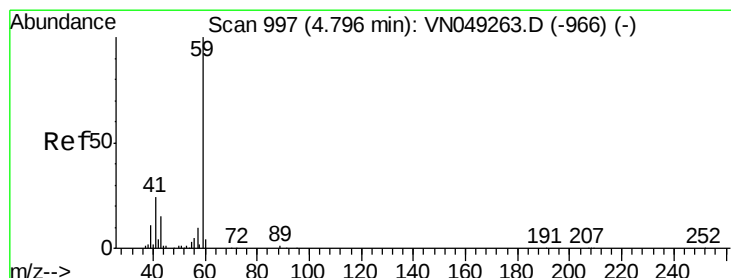
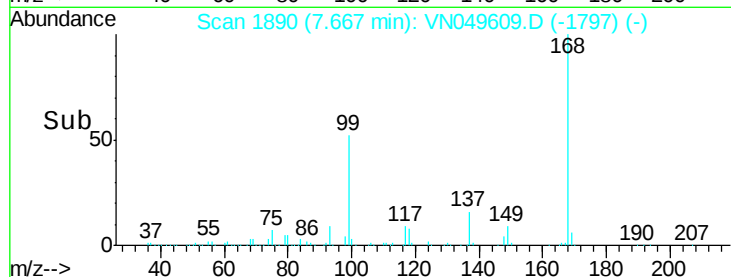
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.31 ug/l

RT: 4.78 min Scan# 993

Delta R.T. -0.01 min

Lab File: VN049609.D

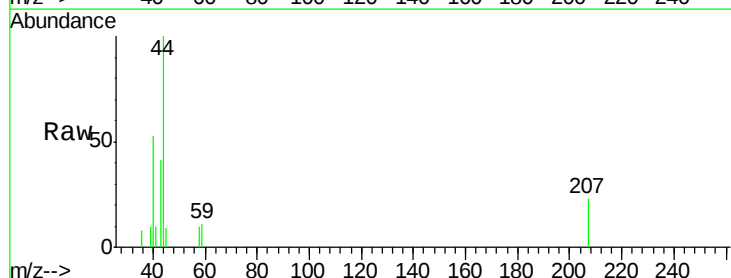
Acq: 29 Jun 2018 00:26

Tgt Ion: 59 Resp: 356

Ion Ratio Lower Upper

59 100

57 18.5 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.78

300

250

200

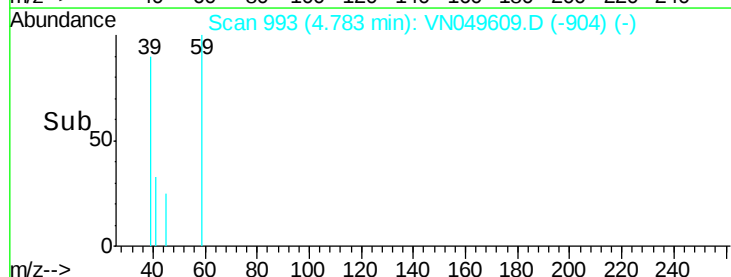
150

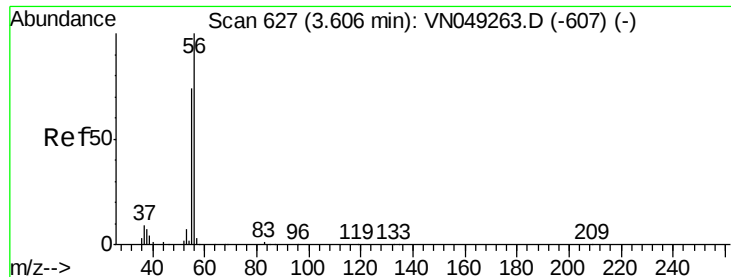
100

50

0

Time--> 4.76 4.78 4.80





#13

Acrolein

Concen: 0.98 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

Instrument :

MSVOA\_N

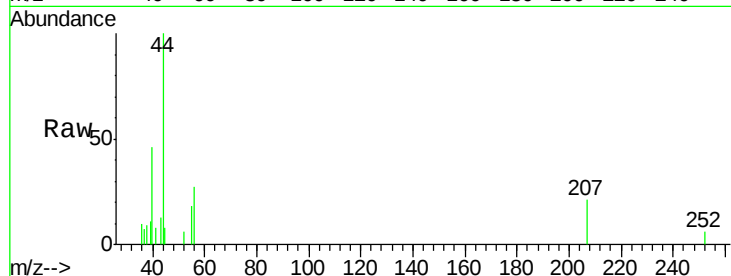
ClientSampled :

Tot Ion: 56 Resp: 1163

Ion Ratio Lower Upper

56 100

55 80.5 57.1 85.7

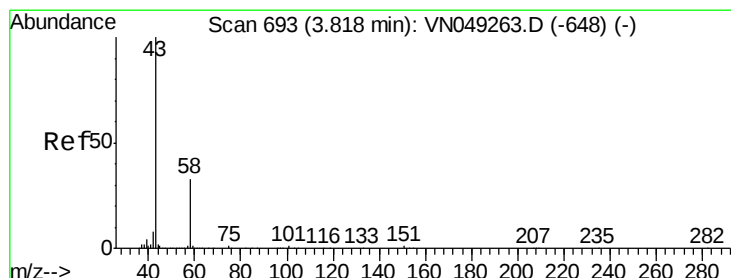
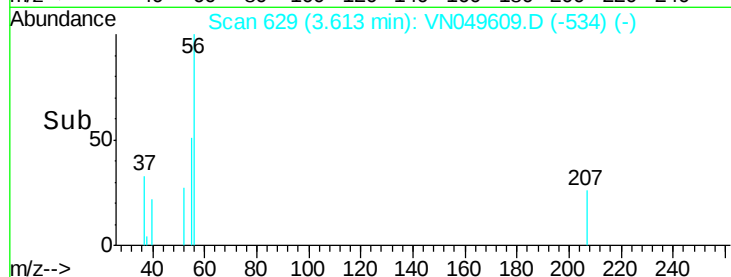


Abundance Ion 56.00 (55.70 to 56.70): VN049263.D (-607) (-)

Ion 55.00 (54.70 to 55.70): VN049263.D (-607) (-)

3.61

Time-->



#16

Acetone

Concen: 6.11 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049609.D

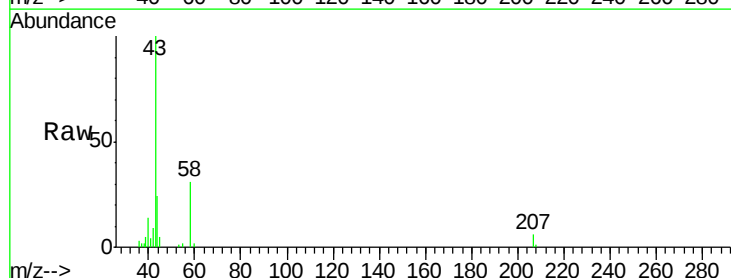
Acq: 29 Jun 2018 00:26

Tgt Ion: 43 Resp: 28741

Ion Ratio Lower Upper

43 100

58 30.5 22.4 33.6

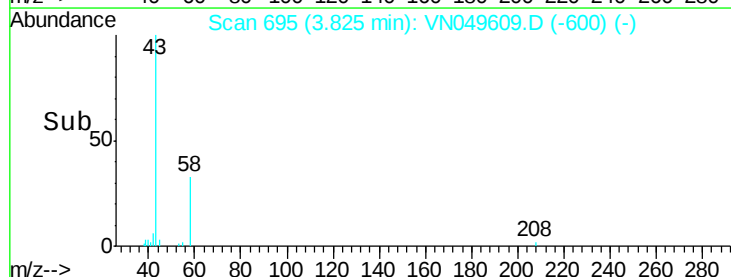


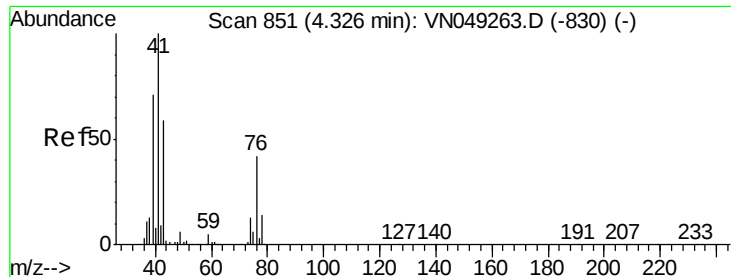
Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-648) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-648) (-)

3.82

Time-->

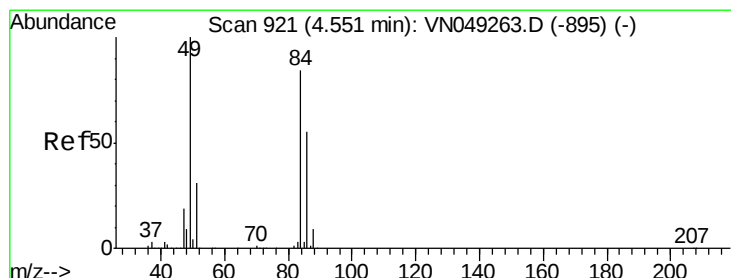
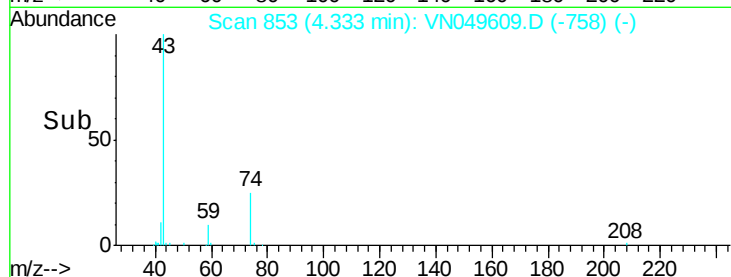
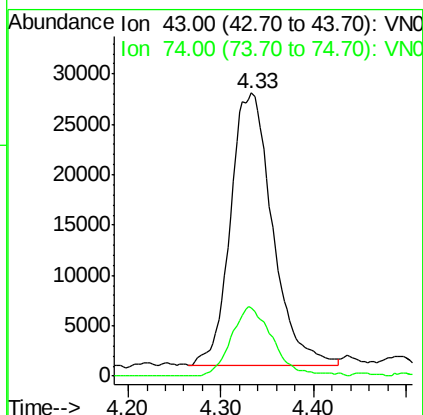
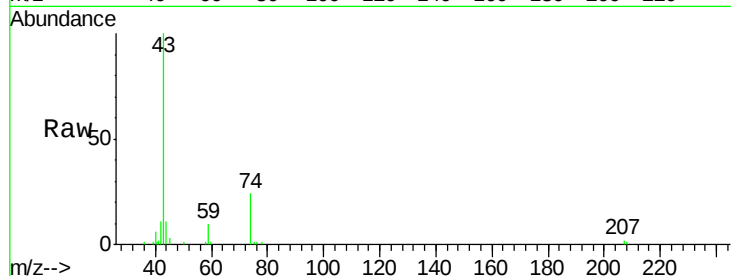




#18  
Methvl Acetate  
Concen: 5.96 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

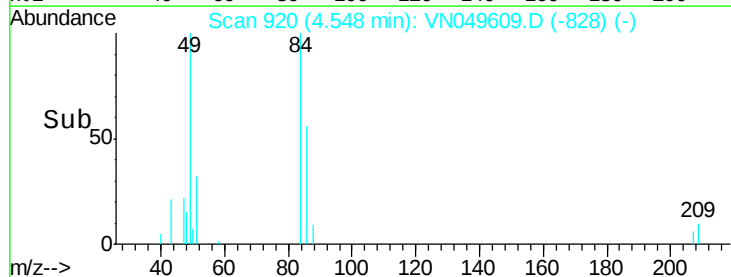
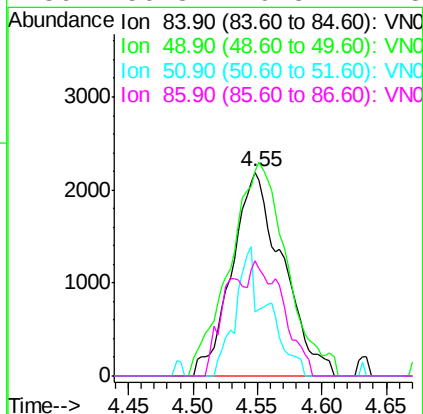
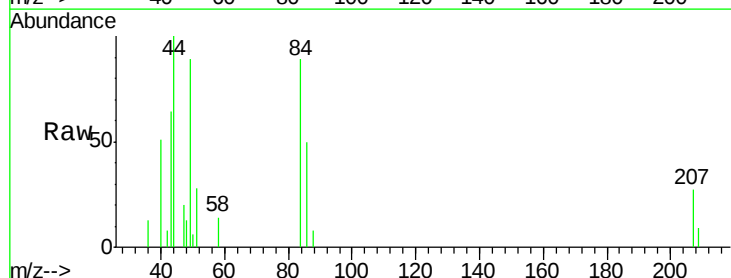
Instrument :  
MSVOA\_N  
ClientSampled :

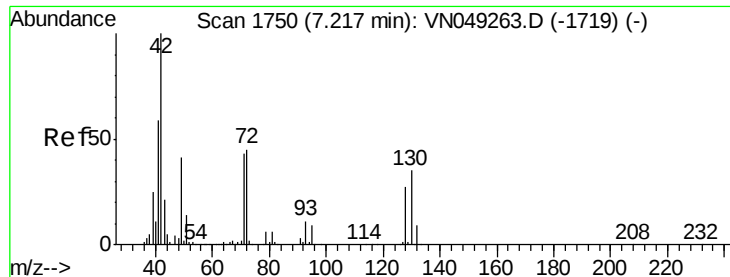
Tot Ion: 43 Resp: 85375  
Ion Ratio Lower Upper  
43 100  
74 24.8 17.4 26.0



#20  
Methylene Chloride  
Concen: 0.31 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

Tgt Ion: 84 Resp: 5998  
Ion Ratio Lower Upper  
84 100  
49 100.1 106.9 160.3#  
51 31.7 32.7 49.1#  
86 56.3 49.8 74.8

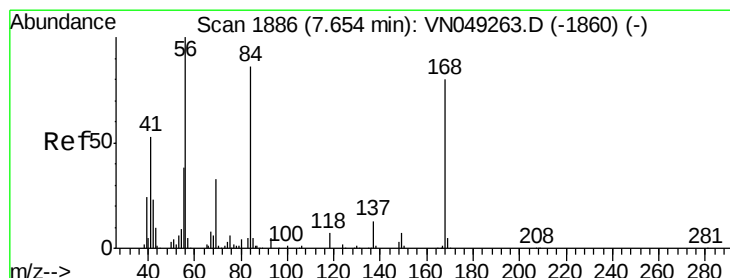
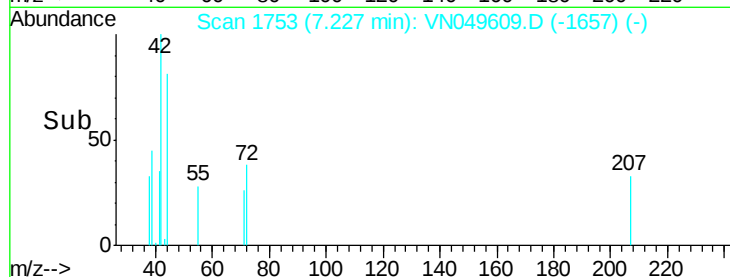
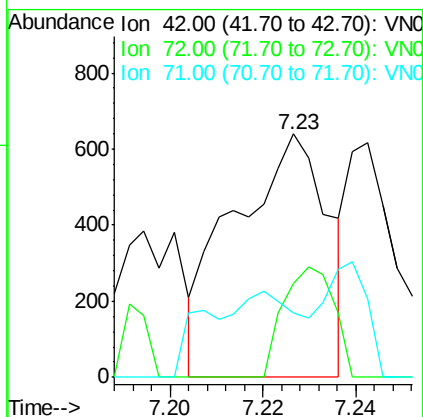
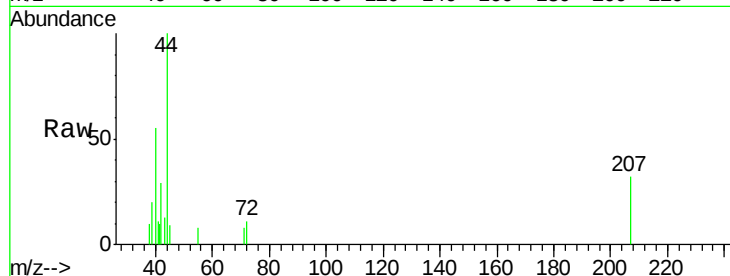




#29  
Tetrahydrofuran  
Concen: 0.22 ug/l  
RT: 7.23 min Scan# 1753  
Delta R.T. 0.01 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

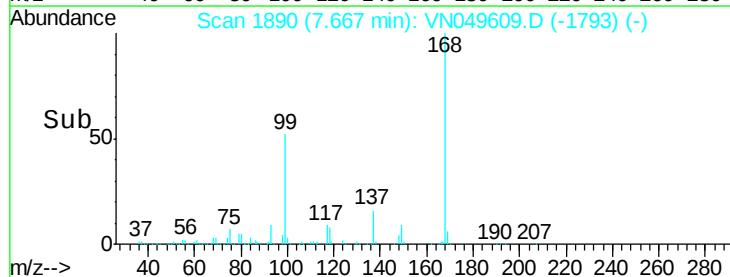
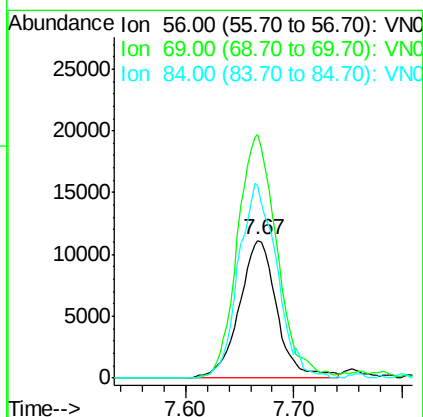
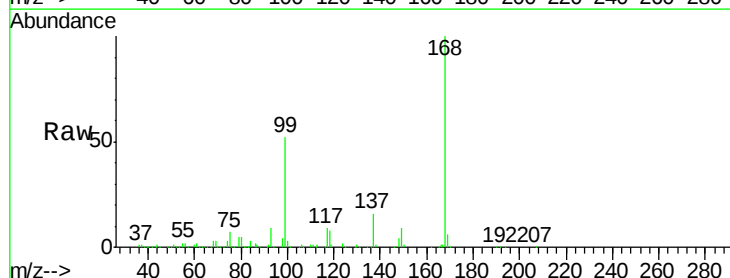
Instrument :  
MSVOA\_N  
ClientSampled :

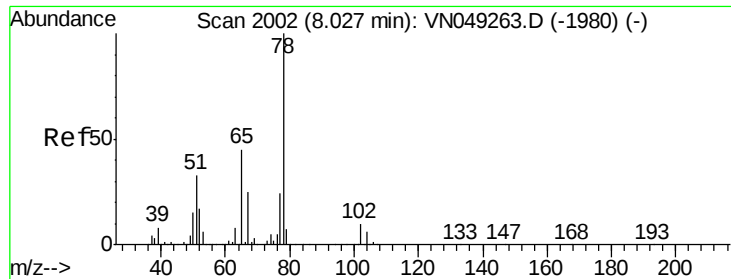
Tot Ion: 42 Resp: 903  
Ion Ratio Lower Upper  
42 100  
72 24.5 32.2 48.4#  
71 23.9 30.5 45.7#



#31  
Cyclohexane  
Concen: 0.77 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. 0.01 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

Tgt Ion: 56 Resp: 27096  
Ion Ratio Lower Upper  
56 100  
69 176.7 25.0 37.4#  
84 139.3 64.6 96.8#





#33

1,2-Dichloroethane-d4

Concen: 50.41 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

Instrument :

MSVOA\_N

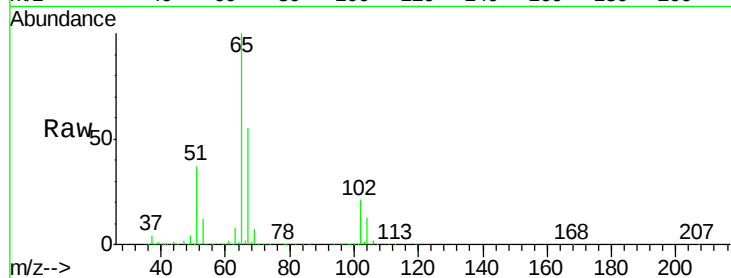
ClientSampleId :

Tot Ion: 65 Resp: 975945

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049263.D (-1980) (-)

Ion 66.90 (66.60 to 67.60): VN049263.D (-1980) (-)

8.03

400000

300000

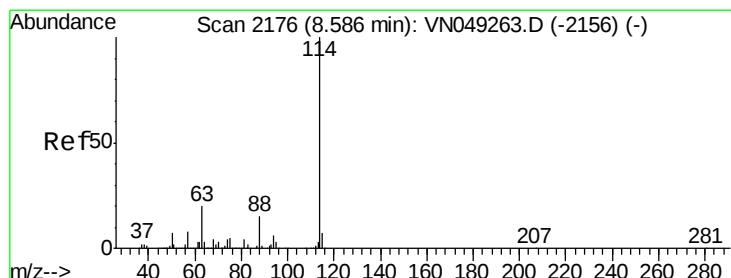
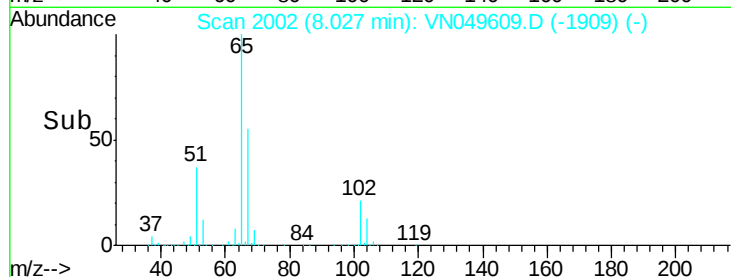
200000

100000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

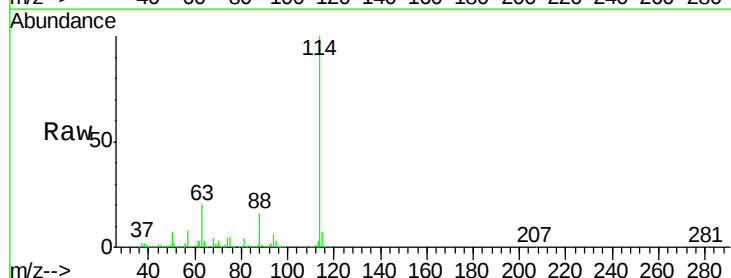
Tgt Ion: 114 Resp: 2334788

Ion Ratio Lower Upper

114 100

63 19.8 0.0 44.4

88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049263.D (-2156) (-)

Ion 63.00 (62.70 to 63.70): VN049263.D (-2156) (-)

Ion 87.90 (87.60 to 88.60): VN049263.D (-2156) (-)

8.59

1500000

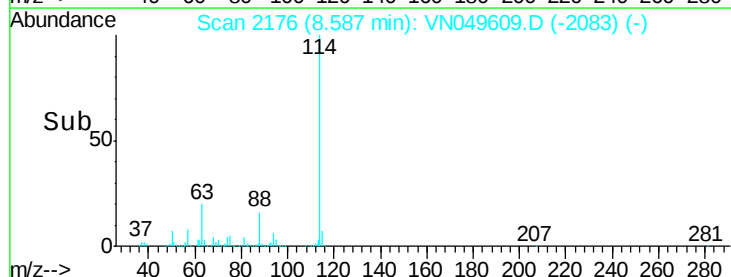
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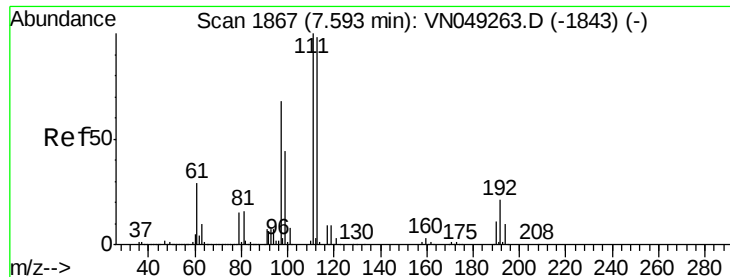
500000

0

8.50 8.60 8.70

Time-->

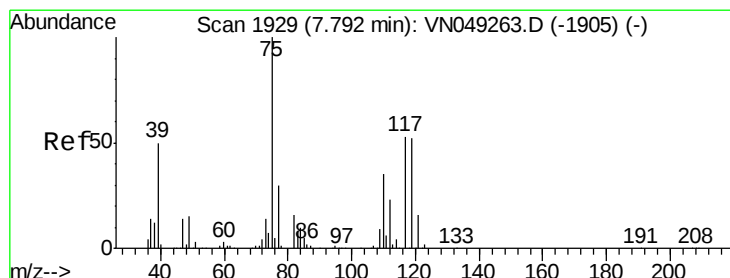
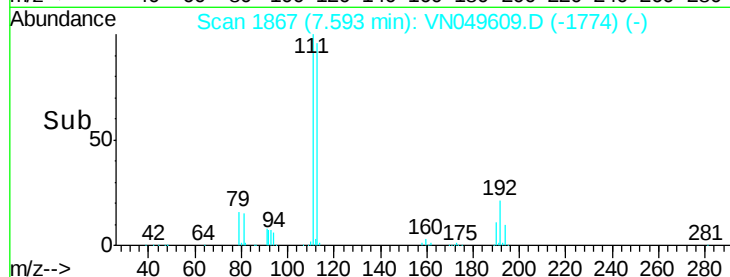
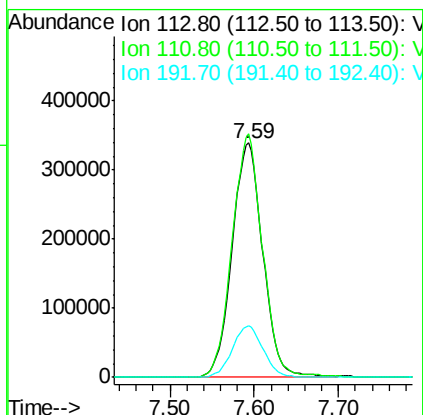
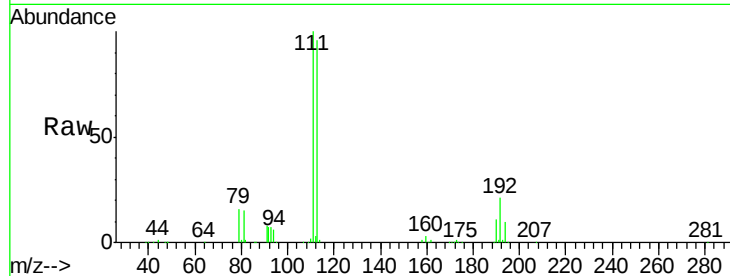




#35  
 Dibromofluoromethane  
 Concen: 45.60 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN049609.D  
 Acq: 29 Jun 2018 00:26

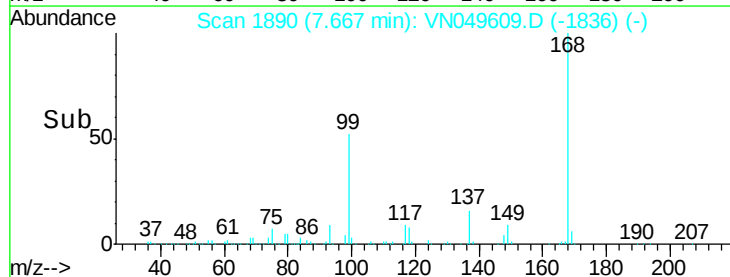
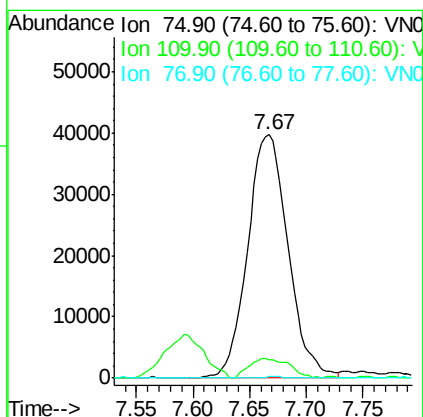
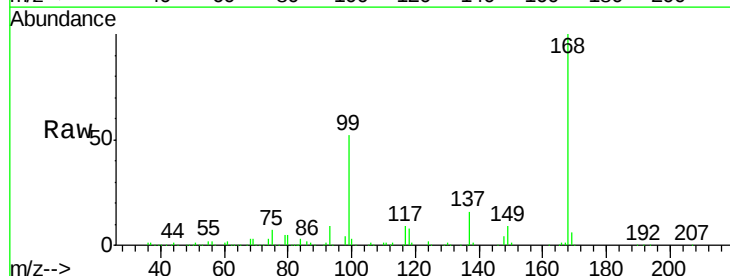
Instrument :  
 MSVOA\_N  
 ClientSampleId :

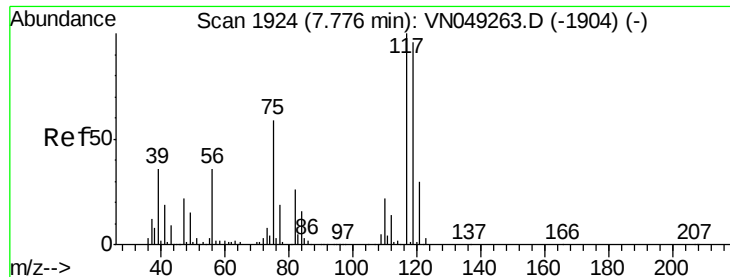
Tot Ion:113 Resp: 861411  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.4 123.6  
 192 22.0 15.0 22.6



#36  
 1,1-Dichloropropene  
 Concen: 3.69 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN049609.D  
 Acq: 29 Jun 2018 00:26

Tgt Ion: 75 Resp: 98769  
 Ion Ratio Lower Upper  
 75 100  
 110 7.9 17.0 50.9#  
 77 0.2 24.4 36.6#

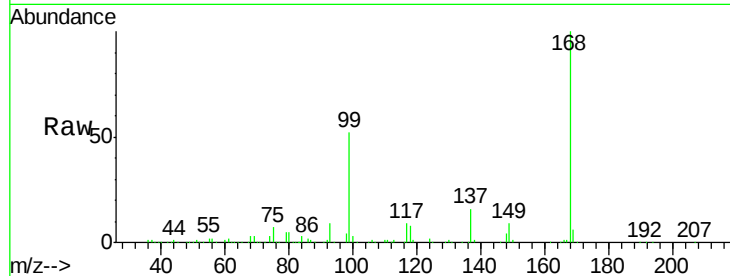




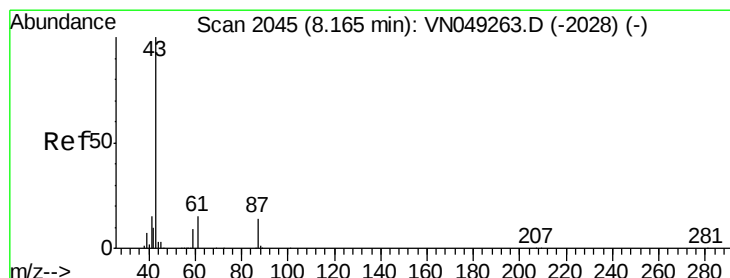
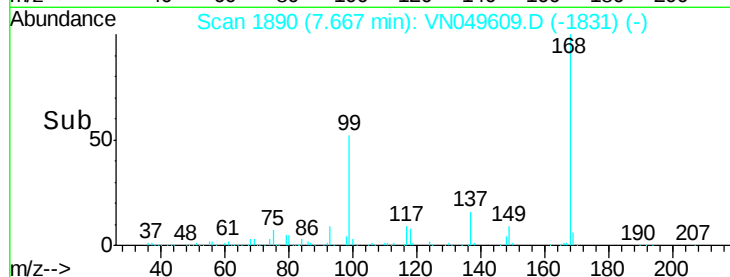
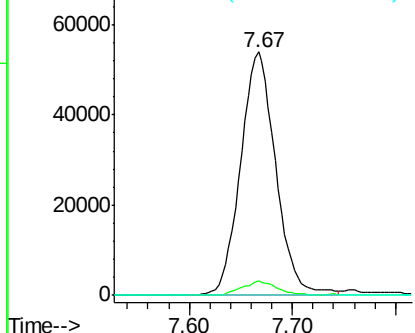
#38  
Carbon Tetrachloride  
Concen: 4.62 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 128123  
Ion Ratio Lower Upper  
117 100  
119 5.8 75.6 113.4#  
121 0.0 24.7 37.1#

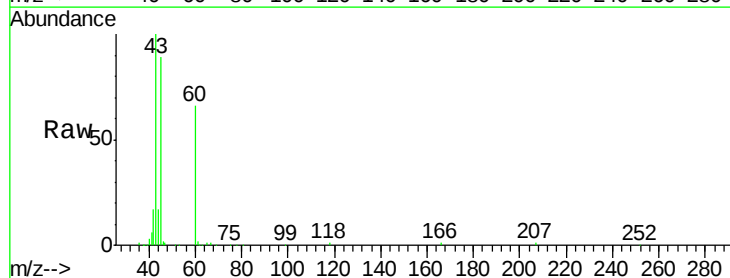


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

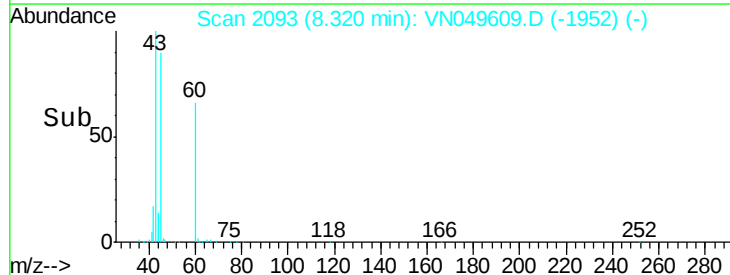
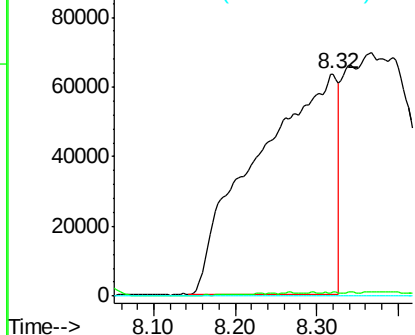


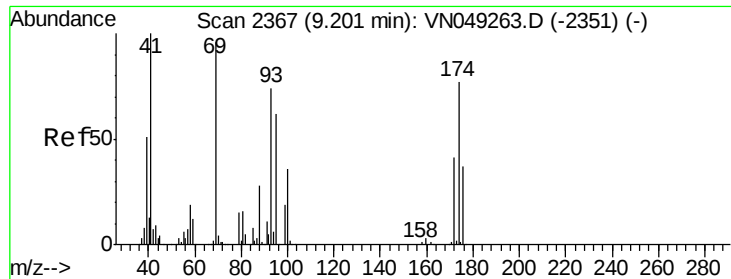
#43  
Isopropyl Acetate  
Concen: 15.51 ug/l  
RT: 8.32 min Scan# 2093  
Delta R.T. 0.15 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

Tgt Ion: 43 Resp: 431183  
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): V  
Ion 61.00 (60.70 to 61.70): V  
Ion 87.00 (86.70 to 87.70): V

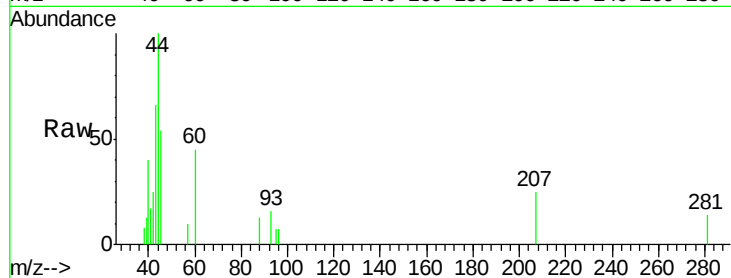




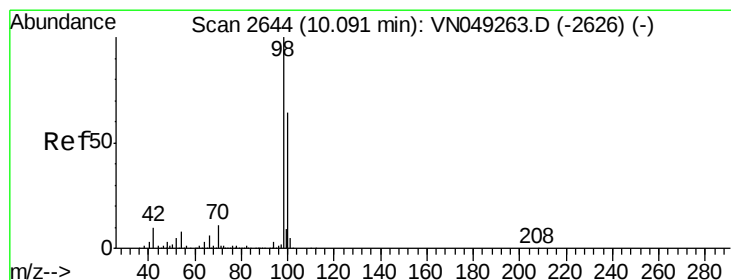
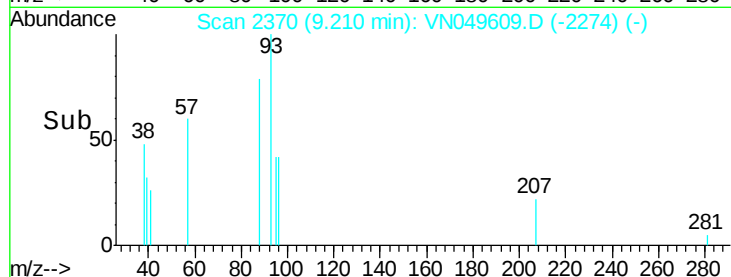
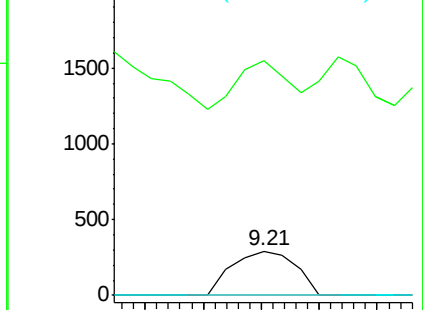
#49  
1,4-Dioxane  
Concen: 1.22 ug/l  
RT: 9.21 min Scan# 2370  
Delta R.T. 0.01 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 88 Resp: 221  
Ion Ratio Lower Upper  
88 100  
43 105.4 30.9 46.3#  
58 0.0 58.9 88.3#

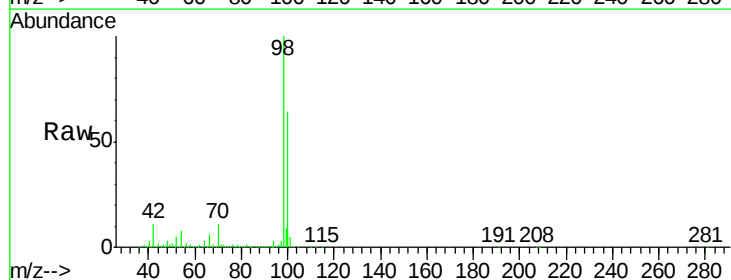


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

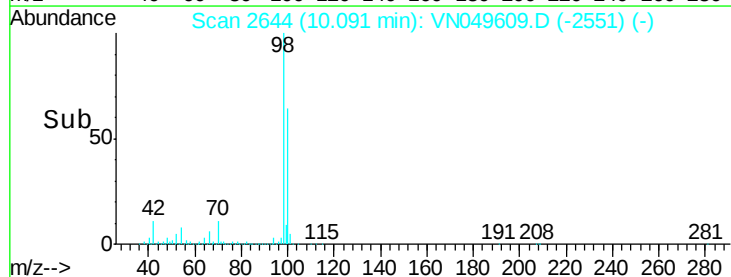
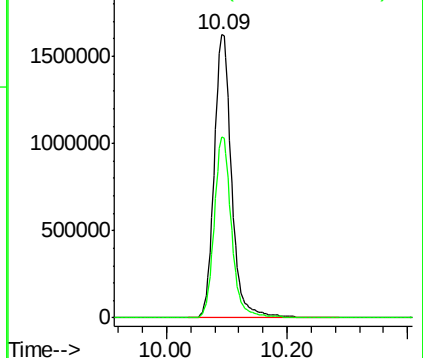


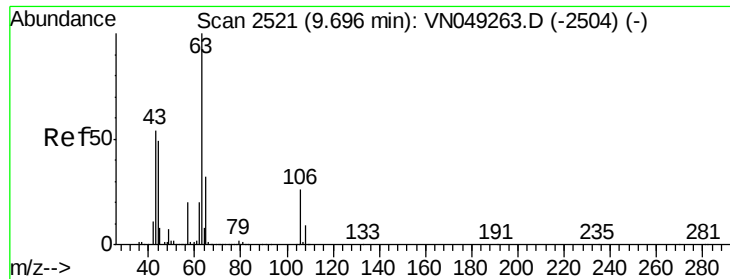
#50  
Toluene-d8  
Concen: 44.24 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

Tgt Ion: 98 Resp: 3181820  
Ion Ratio Lower Upper  
98 100  
100 63.4 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 14.35 ug/l

RT: 9.70 min Scan# 2523

Delta R.T. 0.01 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

Instrument :

MSVOA\_N

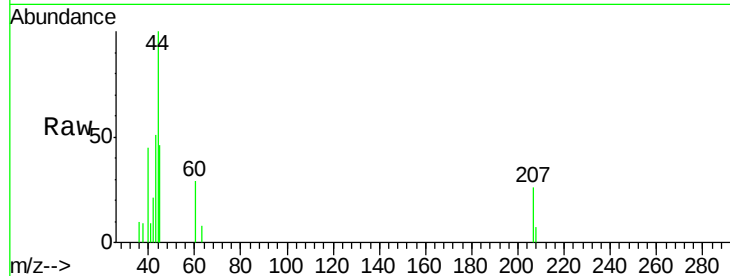
ClientSampleId :

Tot Ion: 63 Resp: 203

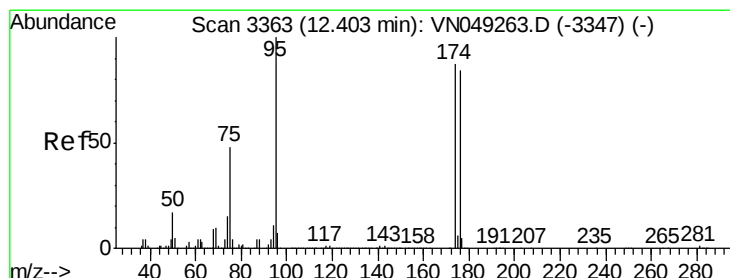
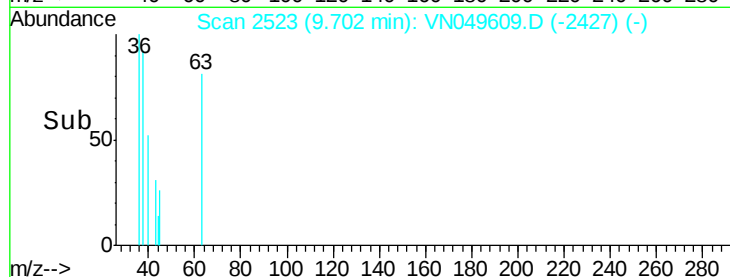
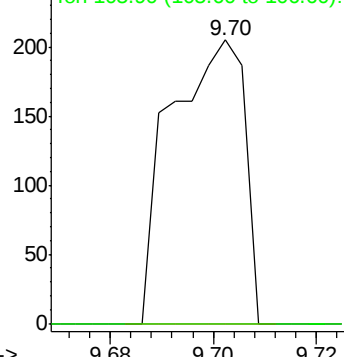
Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-2504) (-)



#62

4-Bromofluorobenzene

Concen: 38.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

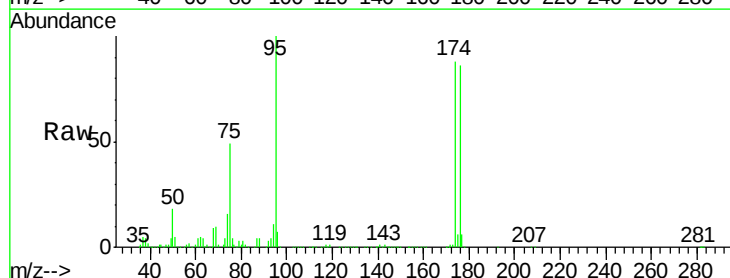
Tgt Ion: 95 Resp: 913558

Ion Ratio Lower Upper

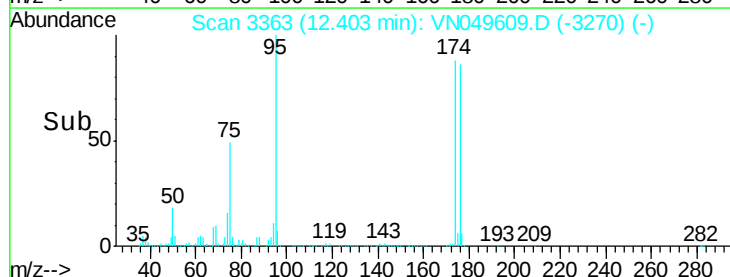
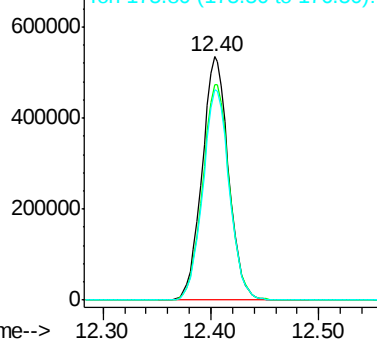
95 100

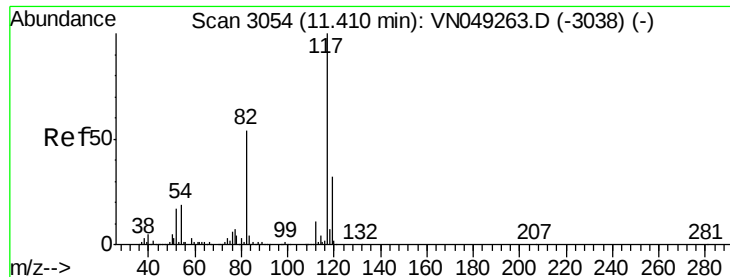
174 89.8 0.0 165.6

176 86.7 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

Instrument :

MSVOA\_N

ClientSampled :

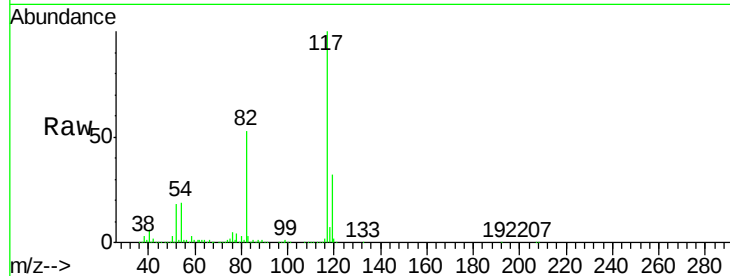
Tot Ion:117 Resp: 1947689

Ion Ratio Lower Upper

117 100

82 53.3 45.9 68.9

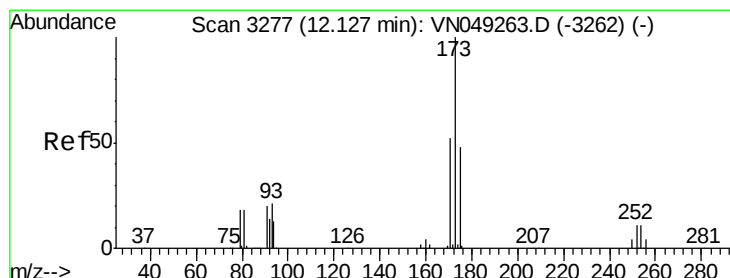
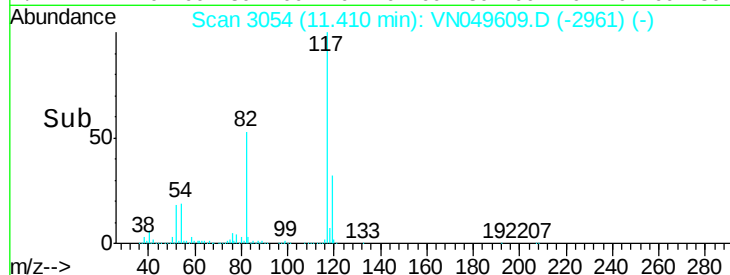
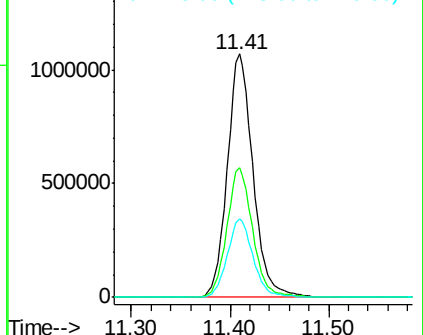
119 32.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

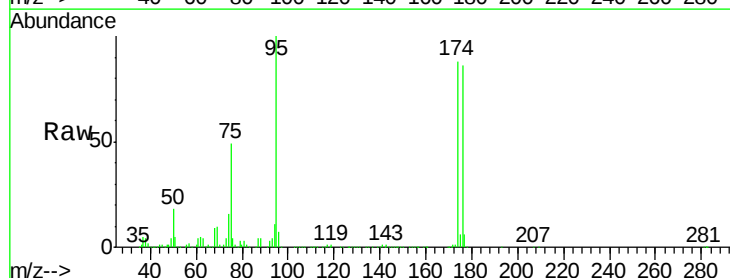
Tgt Ion:173 Resp: 6602

Ion Ratio Lower Upper

173 100

175 701.9 24.5 73.5#

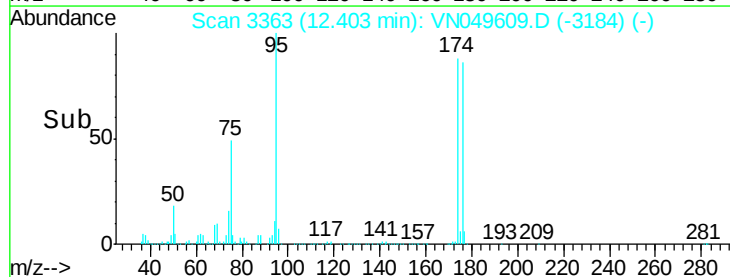
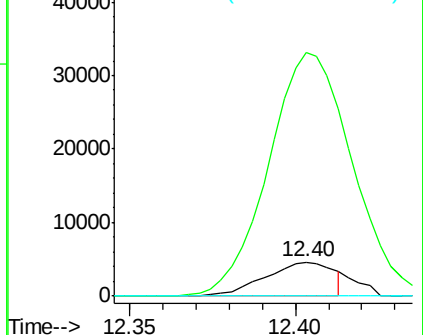
254 0.0 0.1 0.1#

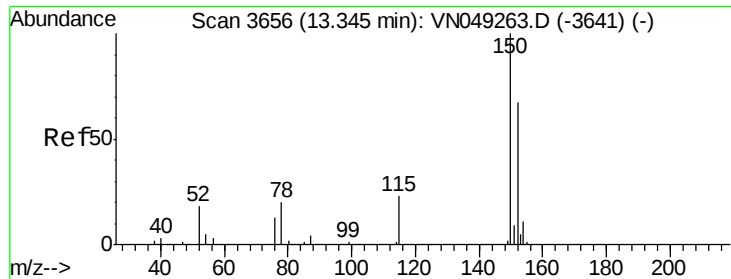


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

Instrument :

MSVOA\_N

ClientSampleId :

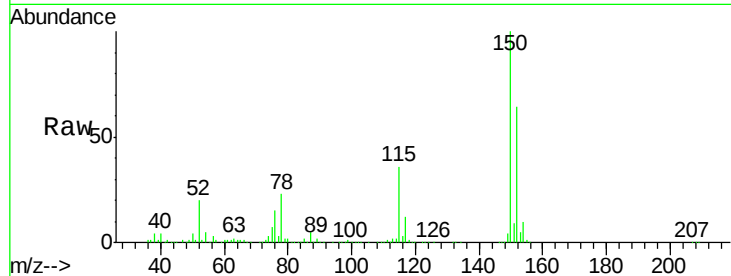
Tot Ion:152 Resp: 752505

Ion Ratio Lower Upper

152 100

115 56.7 28.7 86.1

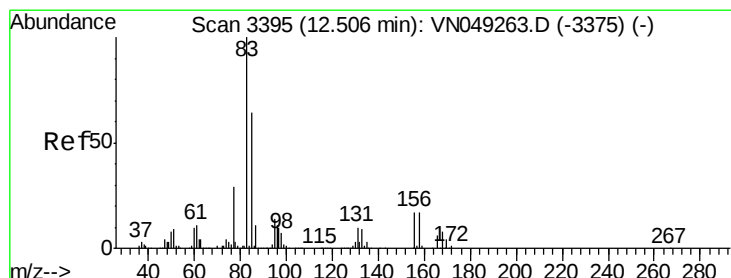
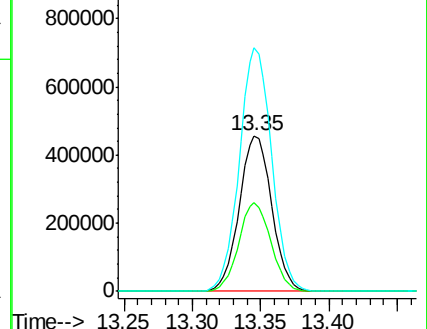
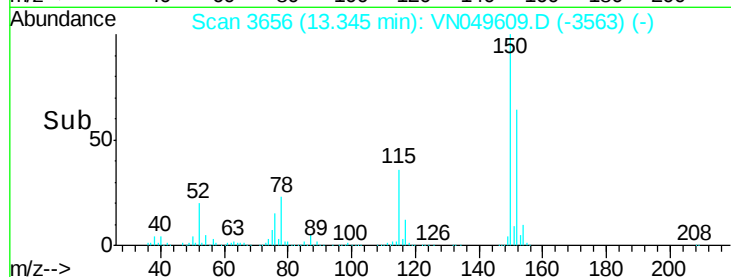
150 156.0 0.0 351.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

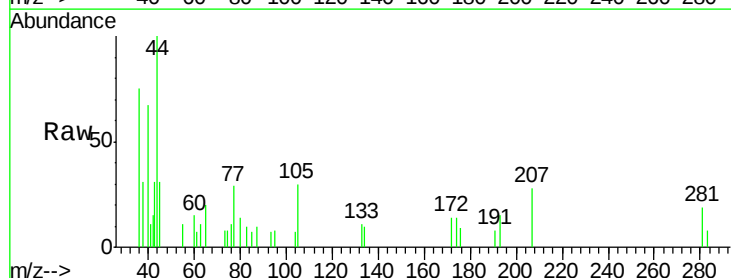
Tgt Ion: 83 Resp: 224

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

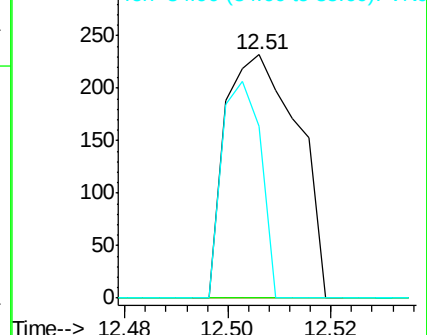
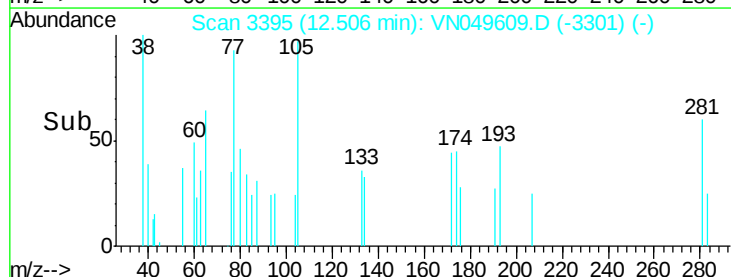
85 47.8 32.0 96.0

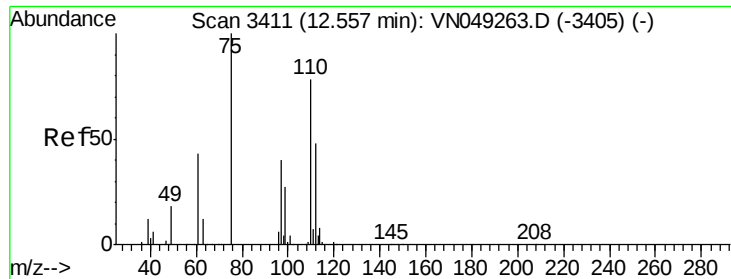


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 34.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

Instrument :

MSVOA\_N

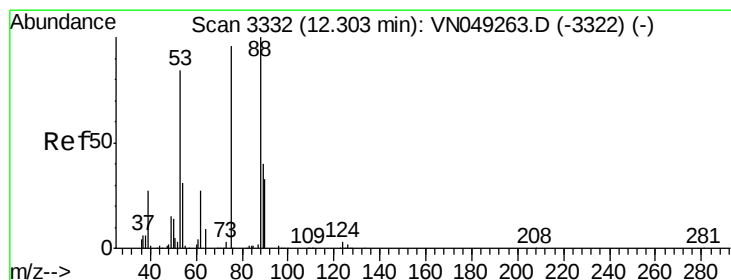
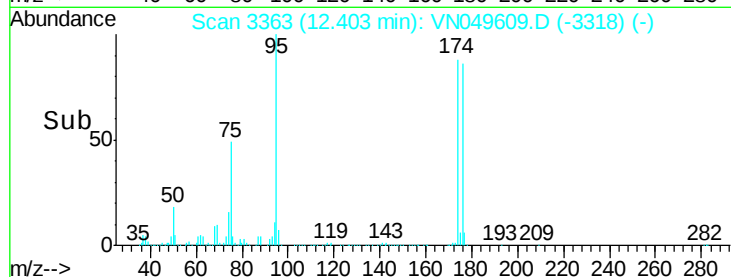
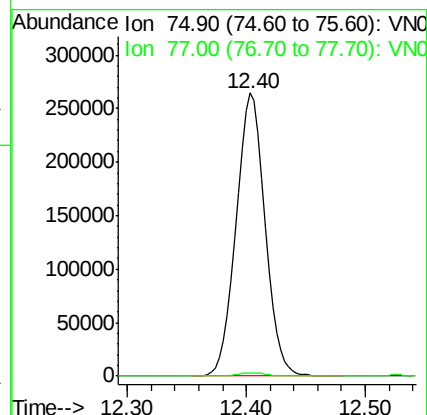
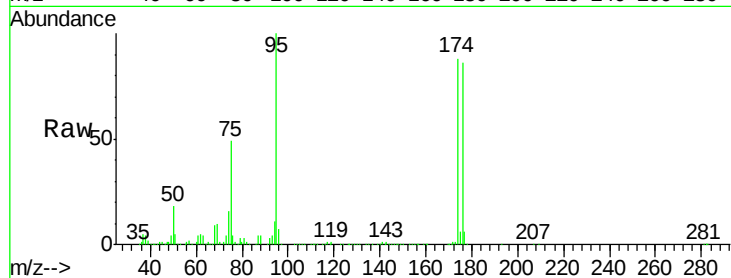
ClientSampleId :

Tot Ion: 75 Resp: 445436

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

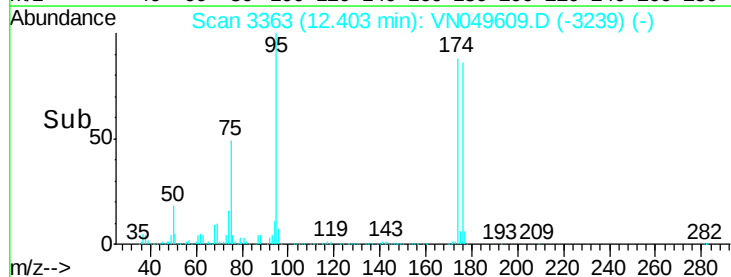
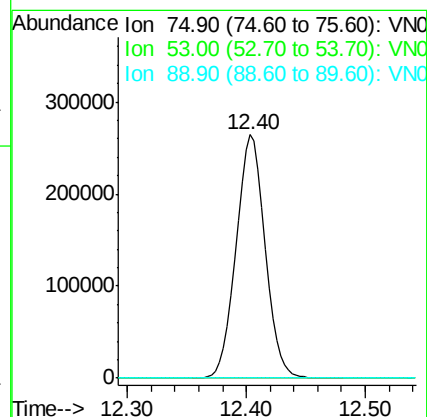
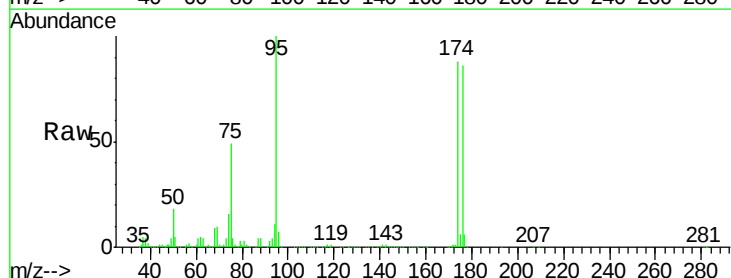
Tgt Ion: 75 Resp: 445436

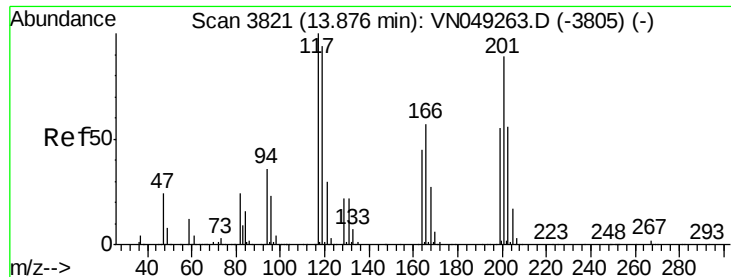
Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#

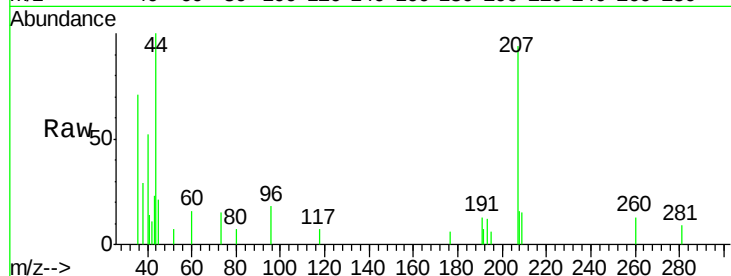




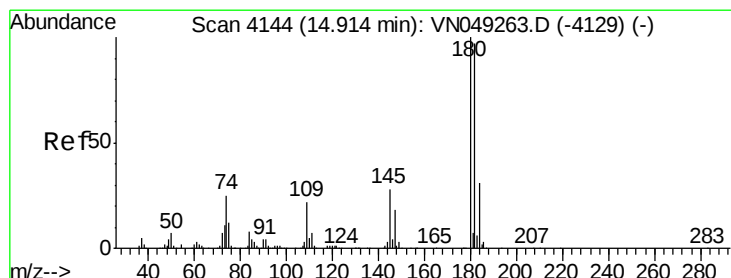
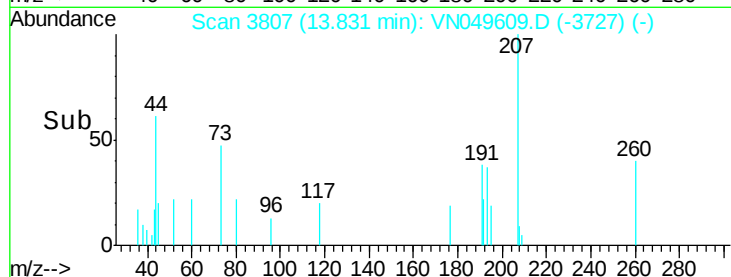
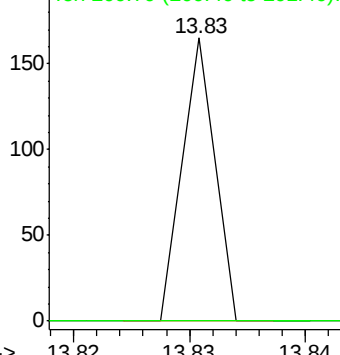
#90  
Hexachloroethane  
Concen: Below Cal  
RT: 13.83 min Scan# 3807  
Delta R.T. -0.04 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 32  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.1 120.2#

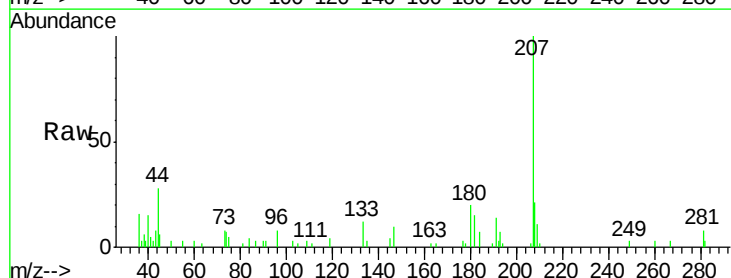


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V

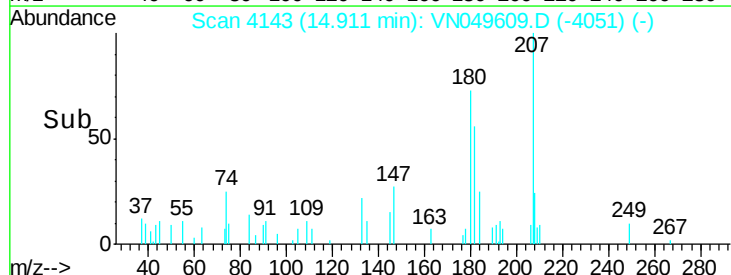
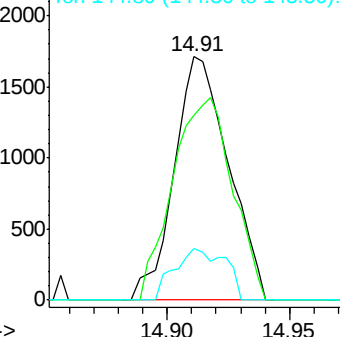


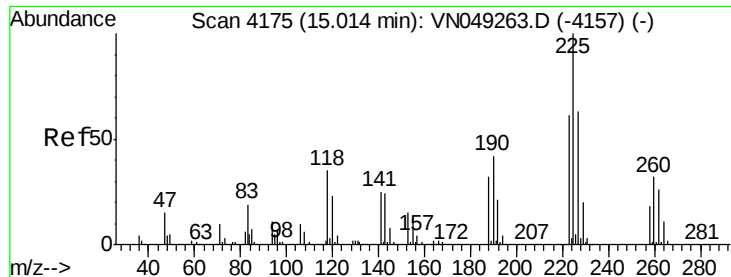
#93  
1,2,4-Trichlorobenzene  
Concen: 4.93 ug/l  
RT: 14.91 min Scan# 4143  
Delta R.T. -0.00 min  
Lab File: VN049609.D  
Acq: 29 Jun 2018 00:26

Tgt Ion:180 Resp: 2632  
Ion Ratio Lower Upper  
180 100  
182 92.0 46.9 140.8  
145 19.9 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





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

Instrument :

MSVOA\_N

ClientSampleId :

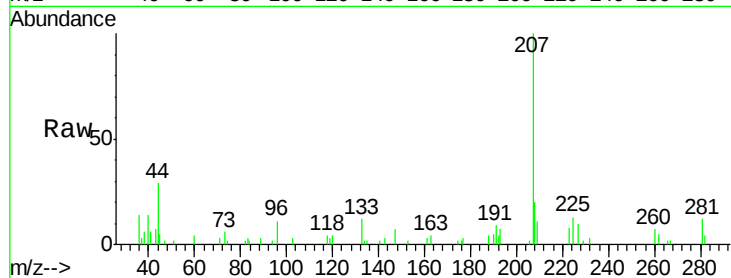
Tot Ion:225 Resp: 1757

Ion Ratio Lower Upper

225 100

223 56.9 32.1 96.3

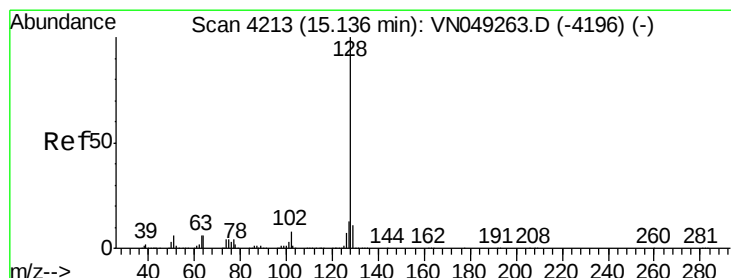
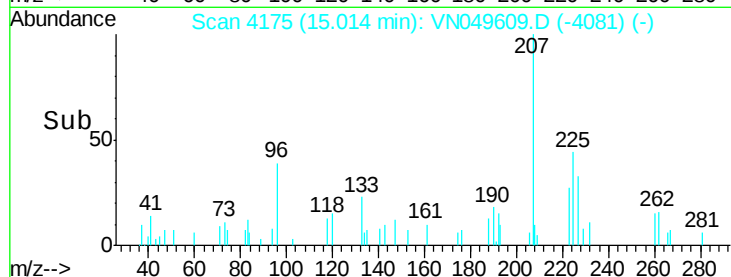
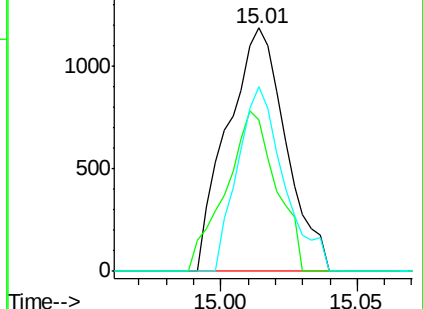
227 60.2 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.37 ug/l

RT: 15.13 min Scan# 4211

Delta R.T. -0.01 min

Lab File: VN049609.D

Acq: 29 Jun 2018 00:26

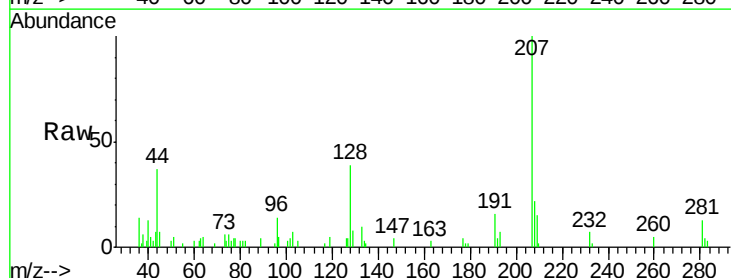
Tgt Ion:128 Resp: 6113

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

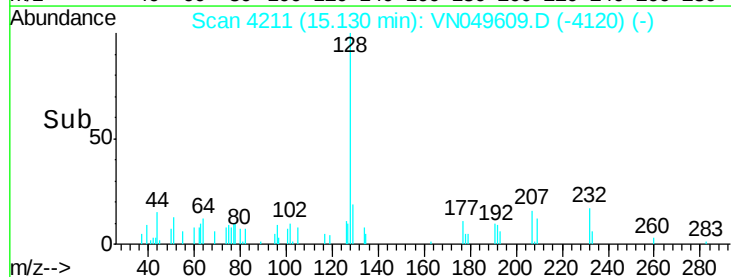
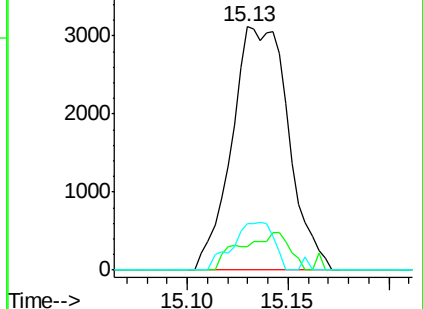
129 14.3 8.5 12.7#

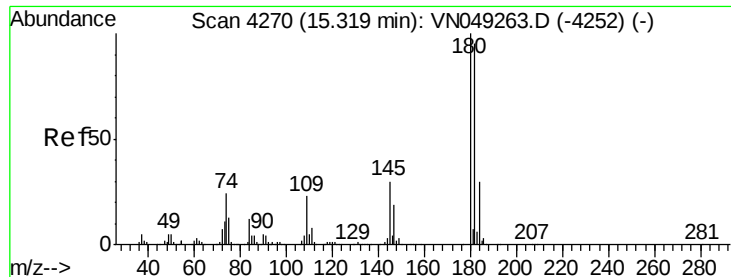


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

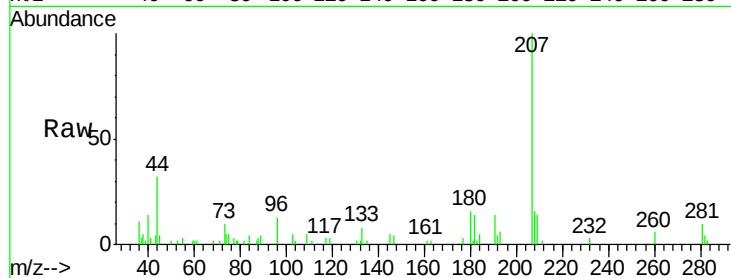




#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.65 ug/l  
 RT: 15.32 min Scan# 4269  
 Delta R.T. -0.00 min  
 Lab File: VN049609.D  
 Acq: 29 Jun 2018 00:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 113.6 | 47.3  | 141.8 |
| 145     | 32.5  | 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

