

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\  
 Data File : VN049972.D  
 Acq On : 20 Jul 2018 19:23  
 Operator : MD\SY  
 Sample : J4016-18  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB4-L-12-7

Quant Time: Jul 20 23:49:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 01:58:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 536493   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 918309   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 777753   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 318798   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 403920   | 54.78 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.56% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 355246   | 46.08 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.16%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1226250  | 43.66 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.32%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 341149   | 35.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 70.54%  |      |

## Target Compounds

|                                |       |     |         |           |        | Qvalue |
|--------------------------------|-------|-----|---------|-----------|--------|--------|
| 5) Bromomethane                | 2.57  | 94  | 335     | Below Cal | #      | 5      |
| 14) Allyl chloride             | 4.54  | 41  | 70866   | 7.73      | ug/l # | 25     |
| 16) Acetone                    | 3.82  | 43  | 25642   | 13.43     | ug/l   | 98     |
| 18) Methyl Acetate             | 4.34  | 43  | 30907   | 4.40      | ug/l   | 97     |
| 20) Methylene Chloride         | 4.55  | 84  | 2061375 | 283.92    | ug/l   | 99     |
| 25) 2-Butanone                 | 6.85  | 43  | 5015    | 1.84      | ug/l   | 94     |
| 29) Tetrahydrofuran            | 7.23  | 42  | 1103    | 0.64      | ug/l # | 81     |
| 30) Chloroform                 | 7.38  | 83  | 6790    | 0.55      | ug/l   | 90     |
| 31) Cyclohexane                | 7.67  | 56  | 11036   | 1.12      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 40407   | 3.96      | ug/l # | 48     |
| 37) Ethyl Acetate              | 6.85  | 43  | 5015    | 0.72      | ug/l # | 68     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 49005   | 4.48      | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.22  | 41  | 836     | 0.24      | ug/l # | 33     |
| 43) Isopropyl Acetate          | 8.17  | 43  | 304368  | 24.85     | ug/l # | 90     |
| 47) Bromodichloromethane       | 9.40  | 83  | 2611    | 0.24      | ug/l # | 94     |
| 48) Methyl methacrylate        | 9.19  | 41  | 7925    | 1.29      | ug/l # | 25     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 2414    | 0.35      | ug/l   | 91     |
| 52) Toluene                    | 10.16 | 92  | 13191   | 0.71      | ug/l   | 94     |
| 56) Ethyl methacrylate         | 10.27 | 69  | 304     | 2.19      | ug/l # | 1      |
| 59) 2-Hexanone                 | 10.77 | 43  | 16403   | 3.57      | ug/l # | 57     |
| 64) Tetrachloroethene          | 10.63 | 164 | 1506    | 0.22      | ug/l   | 82     |
| 67) Ethyl Benzene              | 11.51 | 91  | 25192   | 0.79      | ug/l   | 99     |
| 68) m/p-Xylenes                | 11.62 | 106 | 21731   | 1.81      | ug/l   | 99     |
| 69) o-Xylene                   | 11.95 | 106 | 8274    | 0.72      | ug/l   | 94     |
| 70) Styrene                    | 11.97 | 104 | 9485    | 0.51      | ug/l   | 92     |
| 71) Bromoform                  | 12.40 | 173 | 2438    | 0.45      | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 168942  | 28.25     | ug/l # | 100    |
| 78) n-propylbenzene            | 12.59 | 91  | 9988    | 0.36      | ug/l   | 98     |
| 79) 2-Chlorotoluene            | 12.66 | 91  | 4151    | 0.25      | ug/l # | 44     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 17253   | 0.89      | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 168942  | 88.34     | ug/l # | 13     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 56687   | 2.88      | ug/l   | 99     |
| 89) n-Butylbenzene             | 13.62 | 91  | 3182    | 0.20      | ug/l # | 71     |
| 90) Hexachloroethane           | 13.89 | 117 | 2943    | 0.68      | ug/l # | 4      |

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Sample : J4016-18  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SB4-L-12-7

Quant Time: Jul 20 23:49:44 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 19 01:58:39 2018  
Response via : Initial Calibration

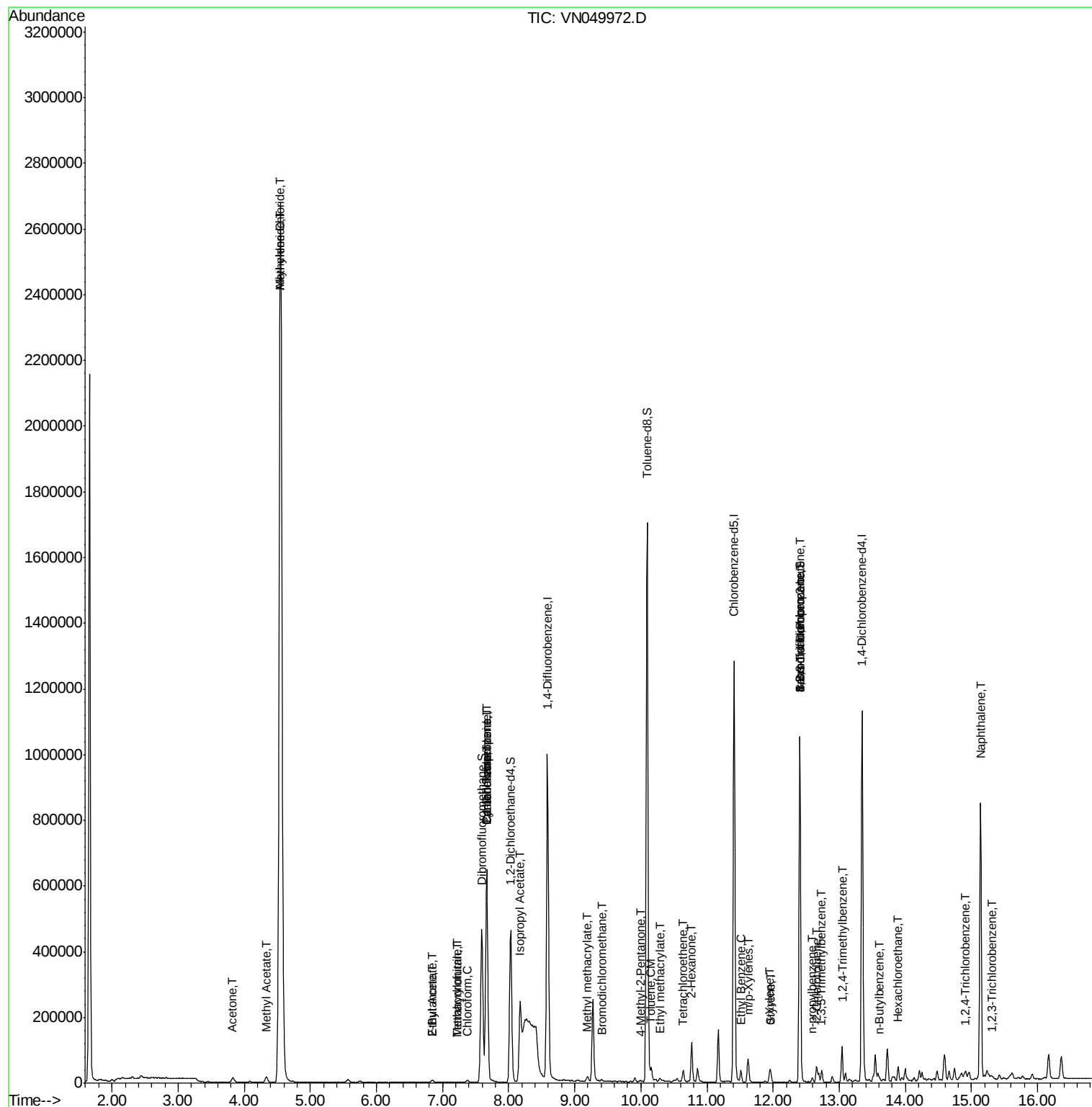
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 7316     | 4.55  | ug/l # | 79       |
| 95) Naphthalene            | 15.14 | 128  | 734085   | 48.74 | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 1276     | 0.23  | ug/l # | 39       |

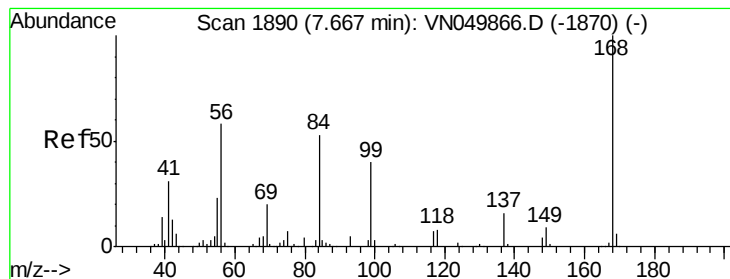
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072018\  
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

Instrument :

MSVOA\_N

ClientSampleId :

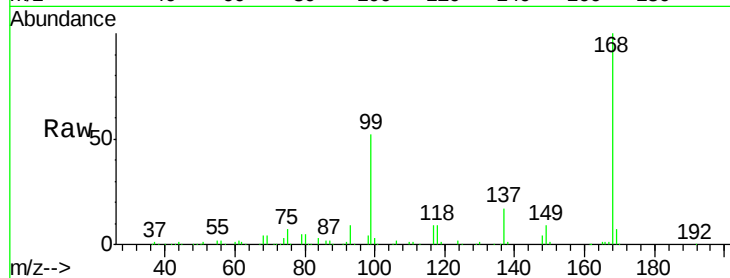
SB4-L-12-7

Tot Ion:168 Resp: 536493

Ion Ratio Lower Upper

168 100

99 52.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049972.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049972.D (-1797) (-)

7.67

250000

200000

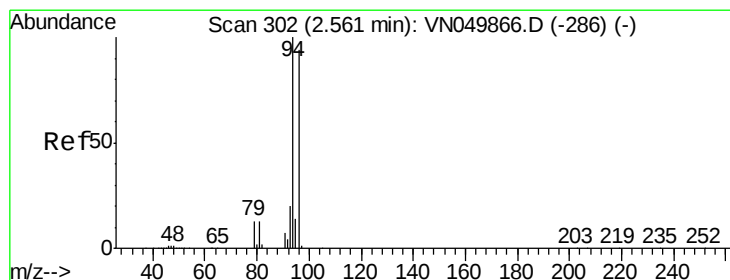
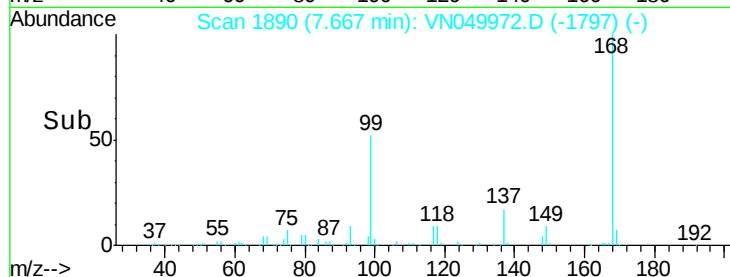
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049972.D

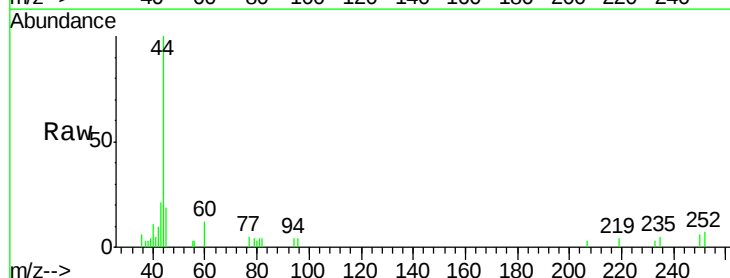
Acq: 20 Jul 2018 19:23

Tgt Ion: 94 Resp: 335

Ion Ratio Lower Upper

94 100

96 2.4 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN049972.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049972.D (-209) (-)

2.57

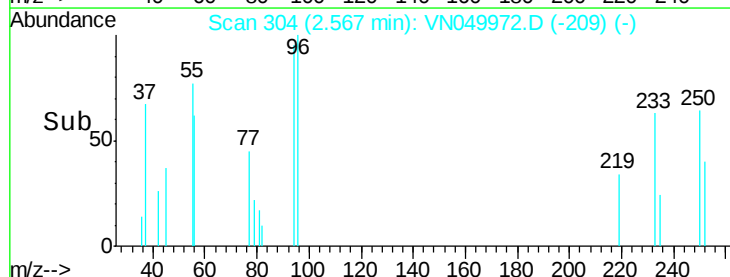
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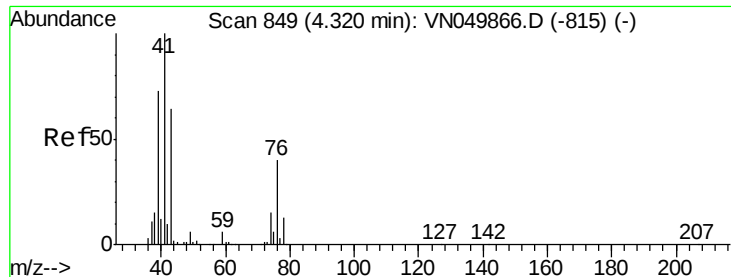
200

100

0

Time-->

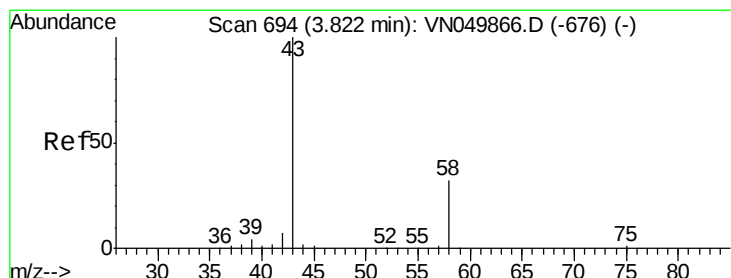
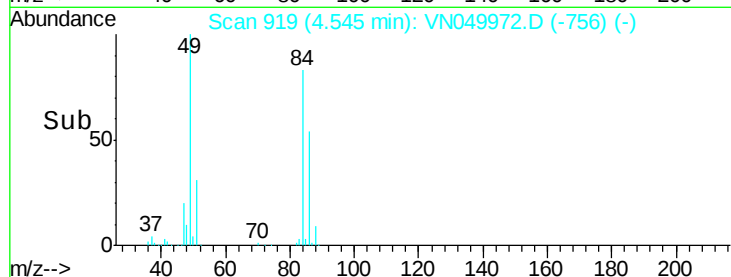
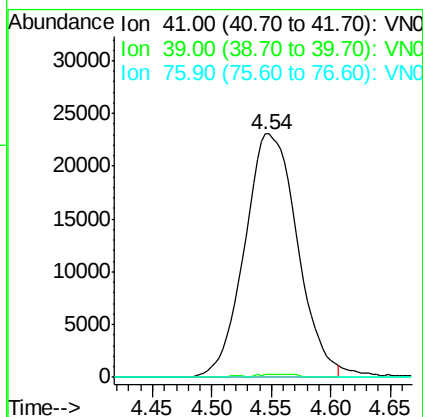
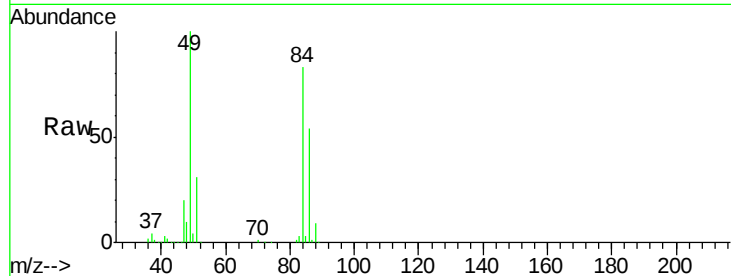




#14  
Allvl chloride  
Concen: 7.73 ug/l  
RT: 4.54 min Scan# 919  
Delta R.T. 0.22 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

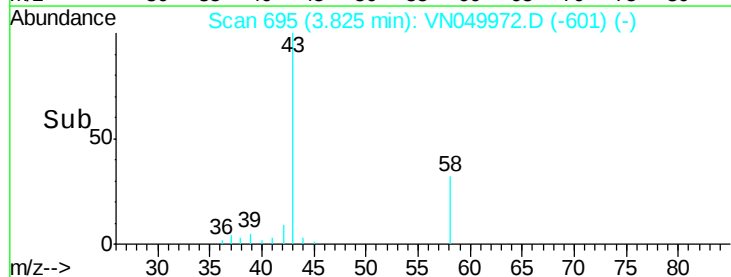
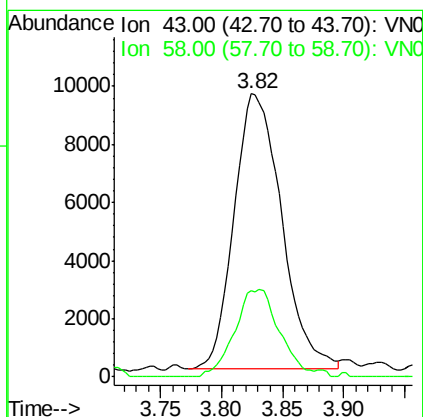
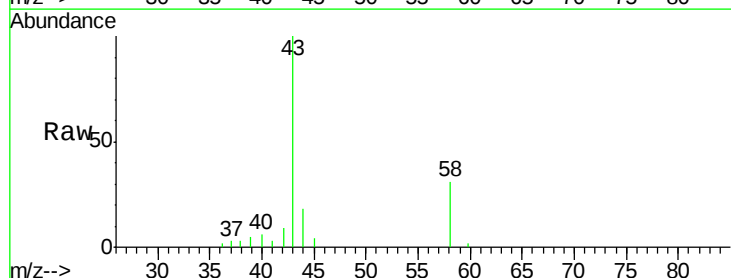
Instrument :  
MSVOA\_N  
ClientSampled :  
SB4-L-12-7

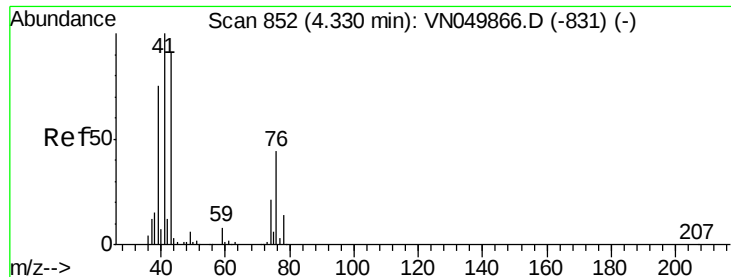
Tot Ion: 41 Resp: 70866  
Ion Ratio Lower Upper  
41 100  
39 0.2 53.2 79.8#  
76 0.0 29.0 43.6#



#16  
Acetone  
Concen: 13.43 ug/l  
RT: 3.82 min Scan# 695  
Delta R.T. 0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion: 43 Resp: 25642  
Ion Ratio Lower Upper  
43 100  
58 31.5 25.9 38.9

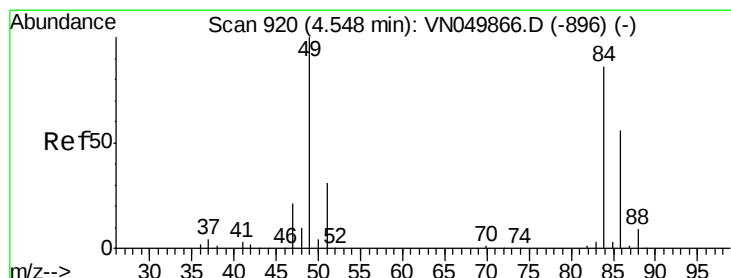
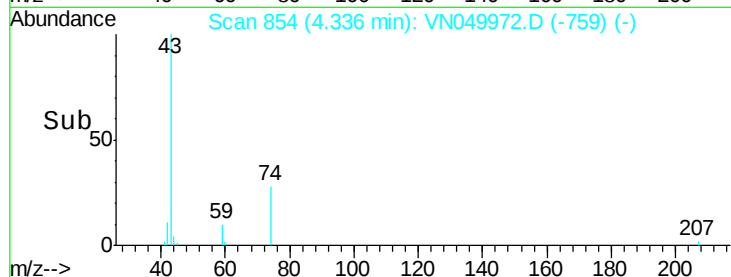
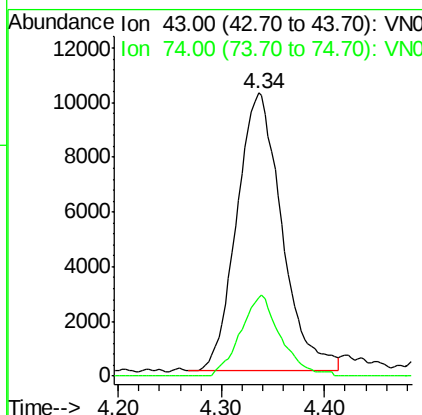
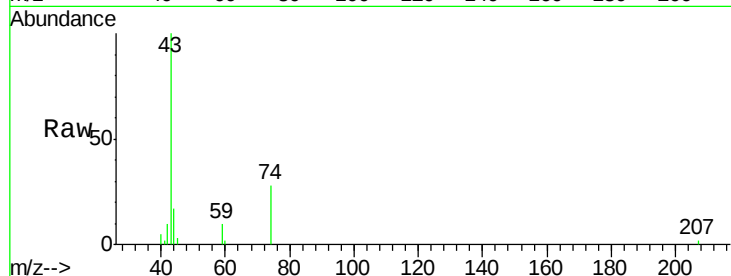




#18  
Methvl Acetate  
Concen: 4.40 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

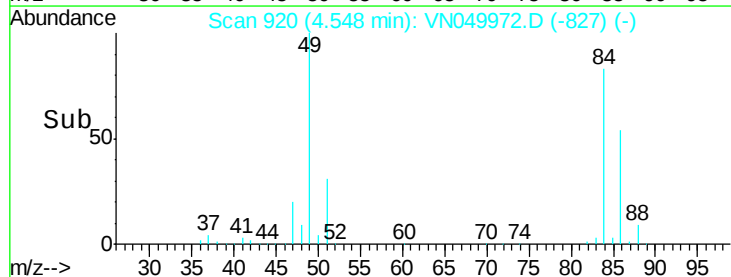
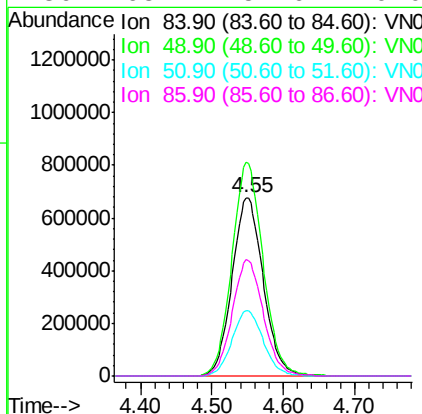
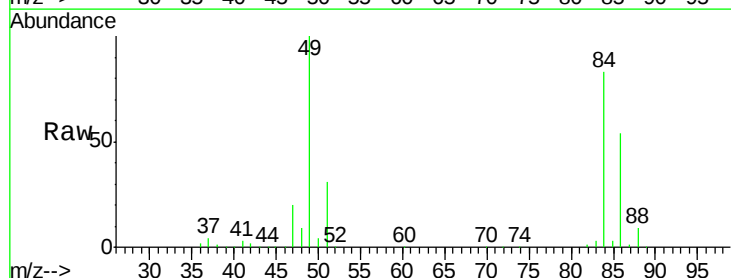
Instrument :  
MSVOA\_N  
ClientSampleId :  
SB4-L-12-7

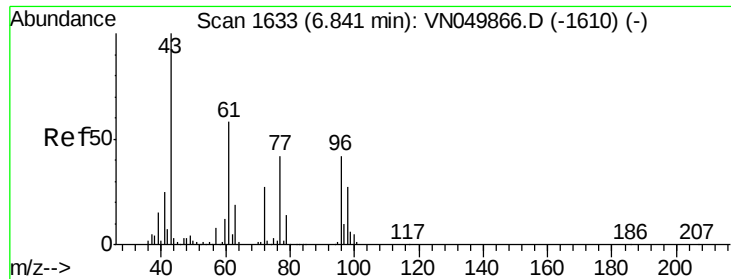
Tot Ion: 43 Resp: 30907  
Ion Ratio Lower Upper  
43 100  
74 26.1 19.8 29.8



#20  
Methylene Chloride  
Concen: 283.92 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion: 84 Resp: 2061375  
Ion Ratio Lower Upper  
84 100  
49 120.0 95.4 143.2  
51 36.8 28.4 42.6  
86 65.2 52.6 79.0





#25

2-Butanone

Concen: 1.84 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

Instrument :

MSVOA\_N

ClientSampleId :

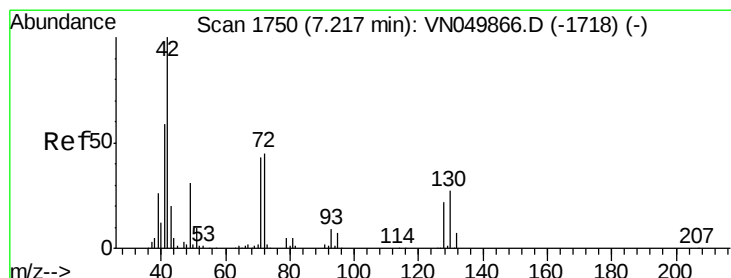
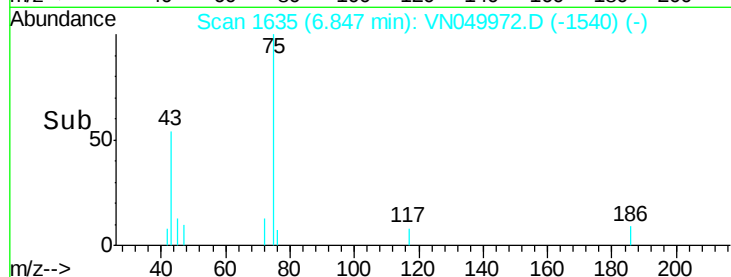
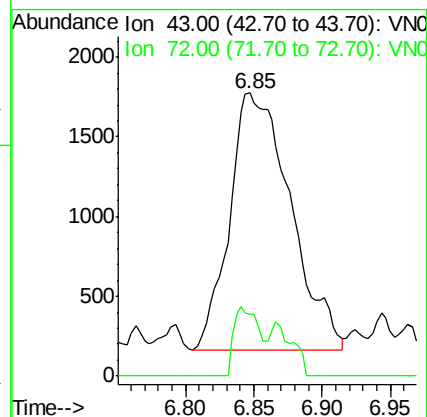
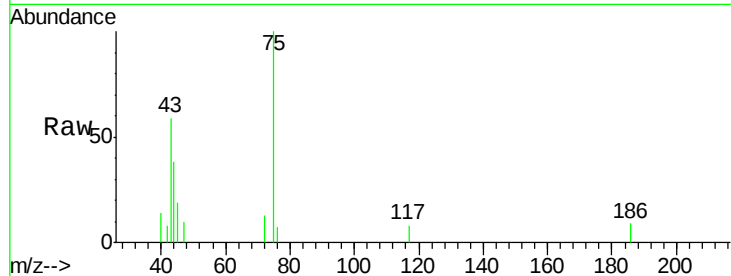
SB4-L-12-7

Tot Ion: 43 Resp: 5015

Ion Ratio Lower Upper

43 100

72 24.3 22.1 33.1



#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

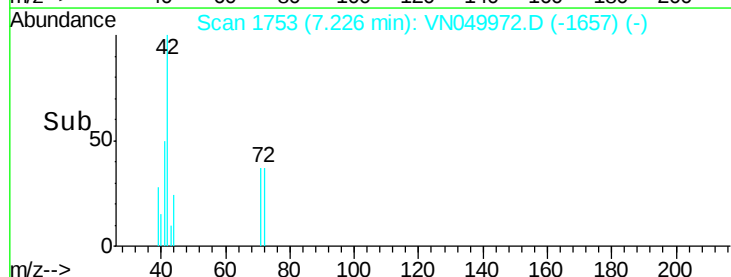
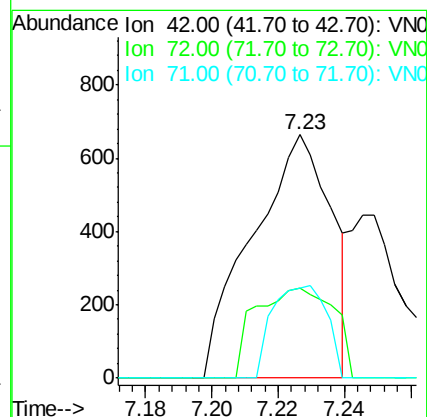
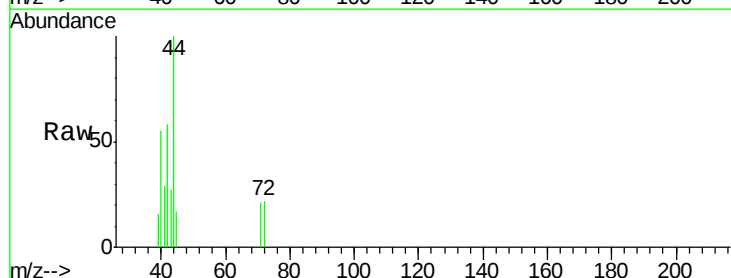
Tgt Ion: 42 Resp: 1103

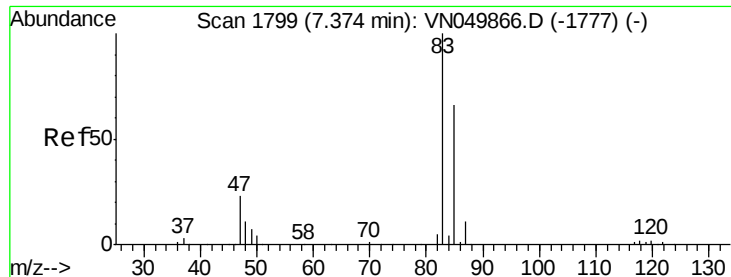
Ion Ratio Lower Upper

42 100

72 36.4 35.6 53.4

71 26.0 34.0 51.0#

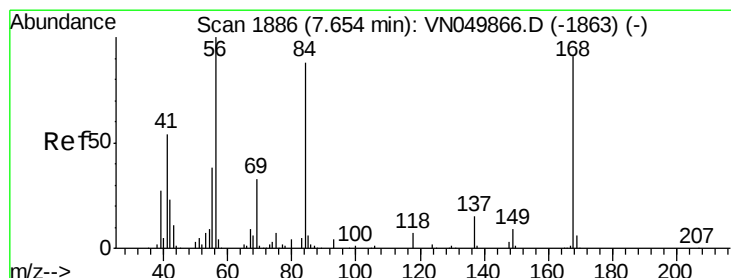
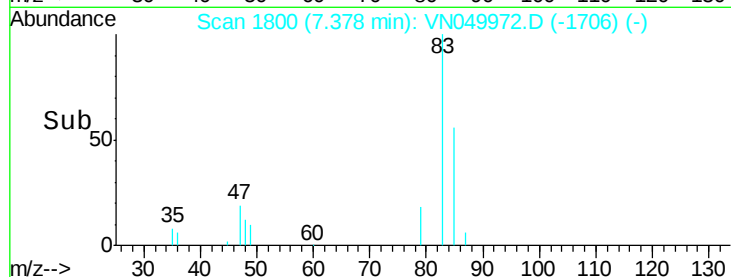
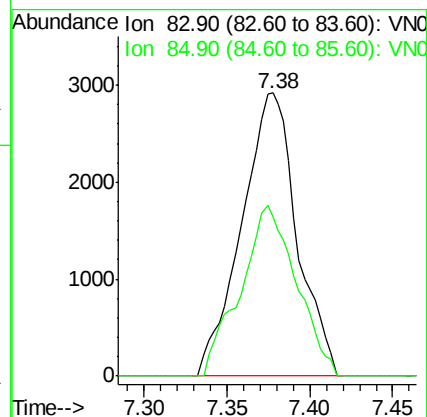
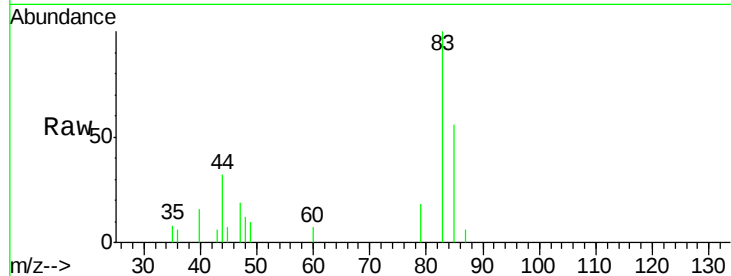




#30  
Chloroform  
Concen: 0.55 ug/l  
RT: 7.38 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

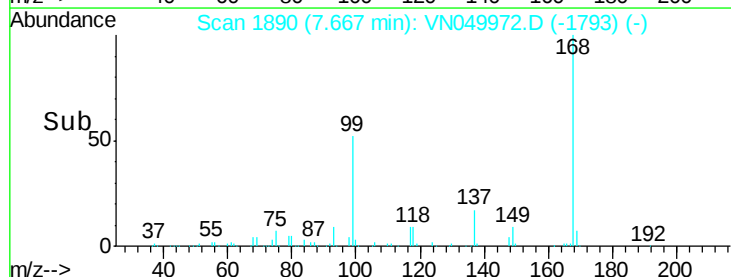
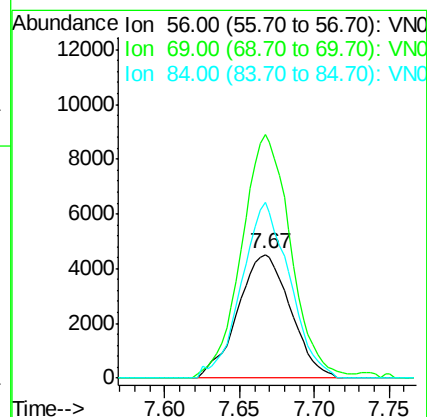
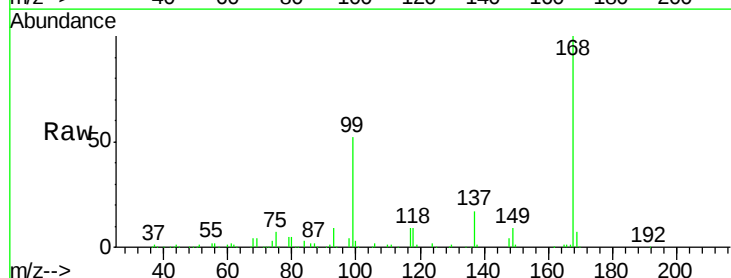
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ClientSampleId :  
SB4-L-12-7

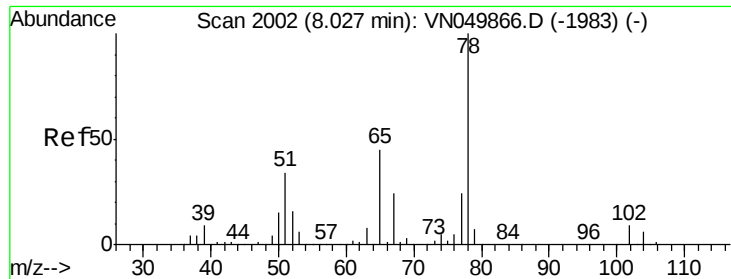
Tot Ion: 83 Resp: 6790  
Ion Ratio Lower Upper  
83 100  
85 56.1 51.4 77.2



#31  
Cyclohexane  
Concen: 1.12 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. 0.01 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion: 56 Resp: 11036  
Ion Ratio Lower Upper  
56 100  
69 197.1 26.6 40.0#  
84 142.1 69.0 103.6#

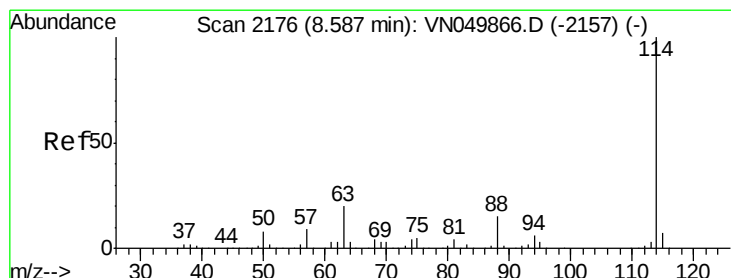
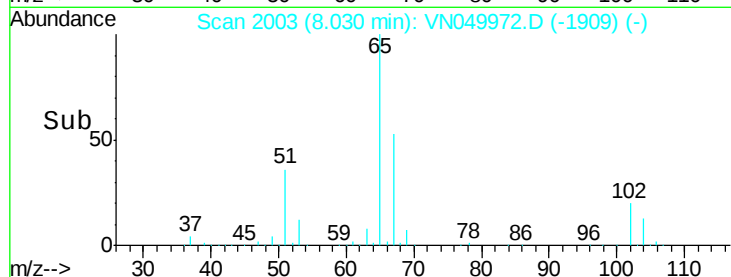
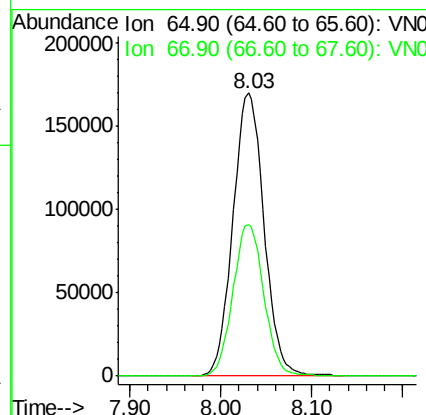
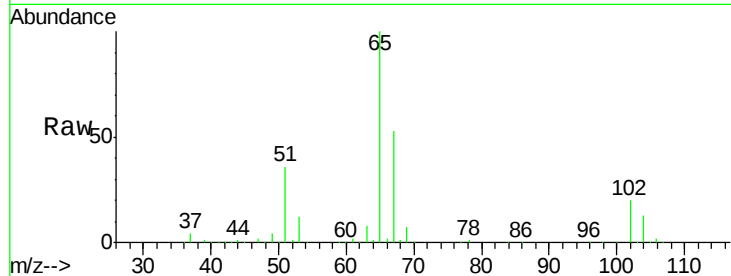




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.78 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

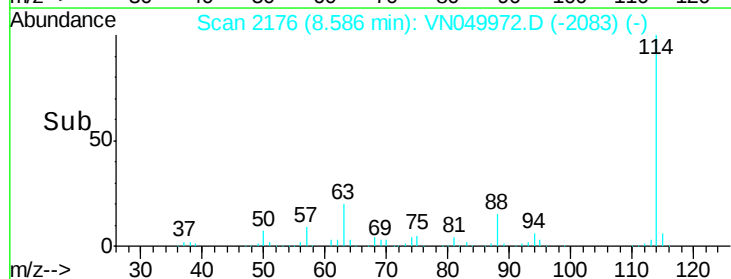
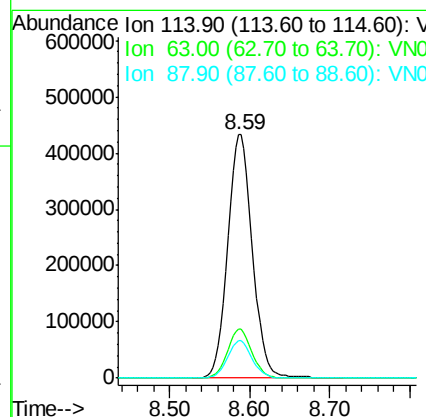
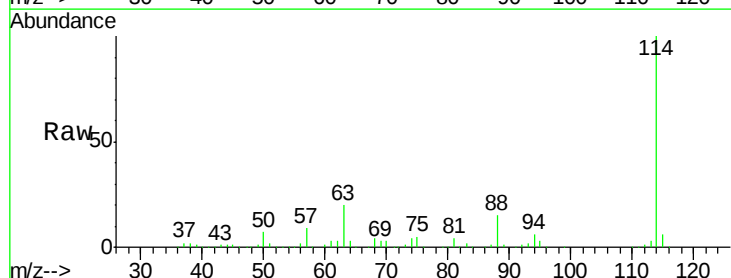
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB4-L-12-7

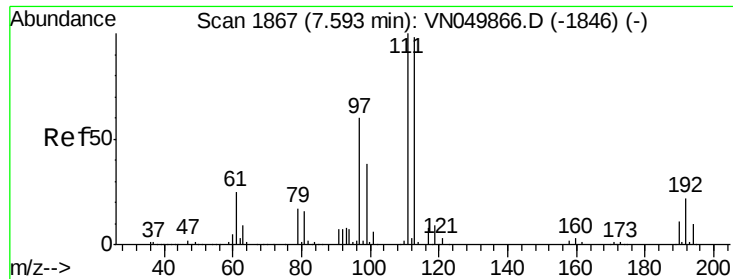
Tot Ion: 65 Resp: 403920  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

Tgt Ion: 114 Resp: 918309  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 39.8  
 88 15.3 0.0 30.6

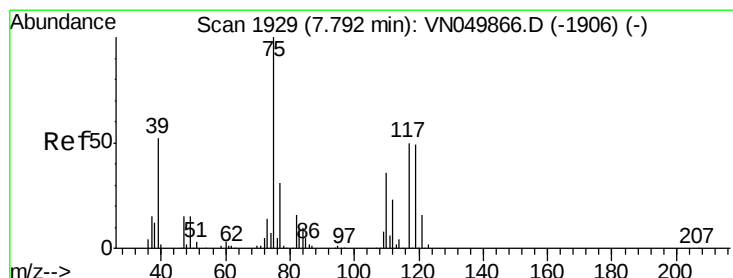
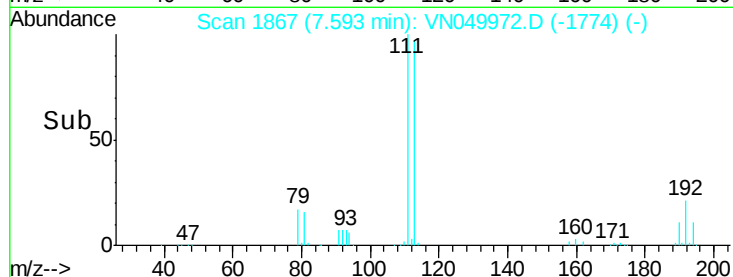
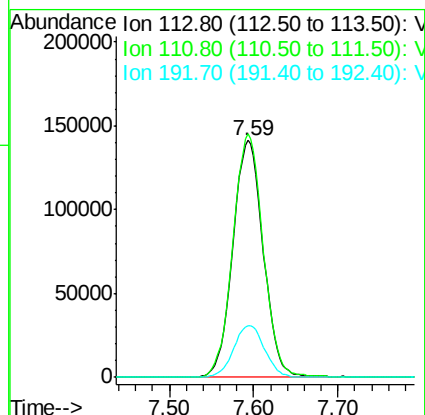
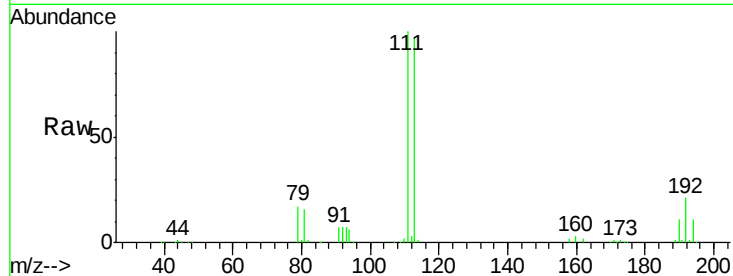




#35  
 Dibromofluoromethane  
 Concen: 46.08 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

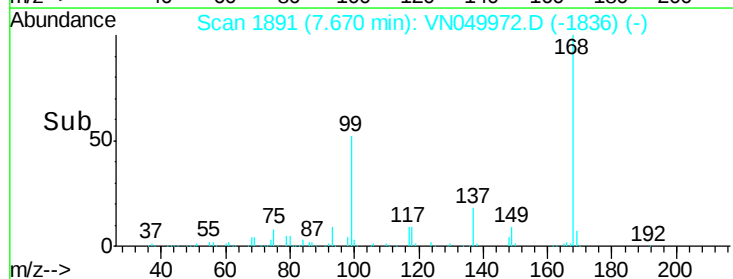
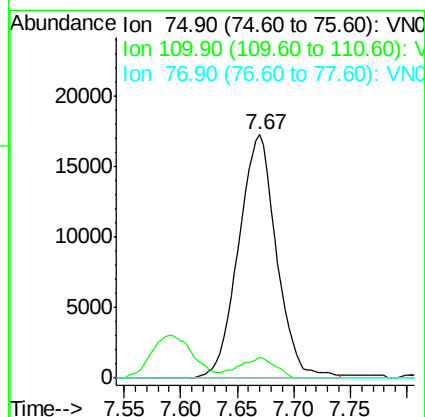
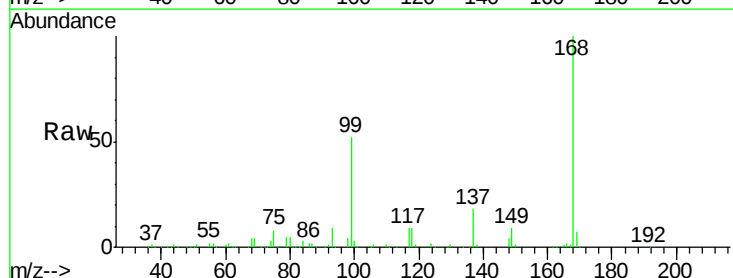
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB4-L-12-7

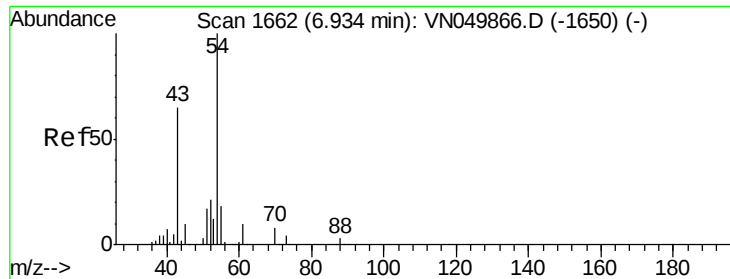
Tot Ion:113 Resp: 355246  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.8 122.8  
 192 22.2 17.8 26.6



#36  
 1,1-Dichloropropene  
 Concen: 3.96 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. -0.12 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

Tgt Ion: 75 Resp: 40407  
 Ion Ratio Lower Upper  
 75 100  
 110 8.1 18.1 54.4#  
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.72 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. -0.09 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

Instrument :

MSVOA\_N

ClientSampleId :

SB4-L-12-7

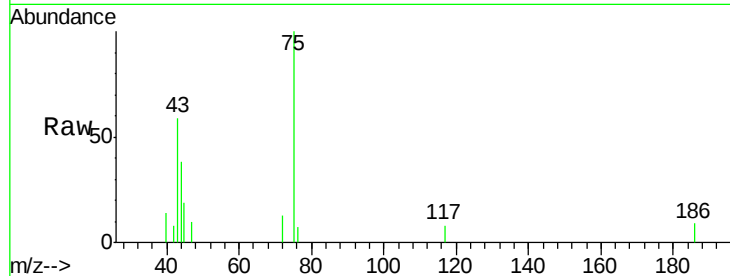
Tot Ion: 43 Resp: 5015

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

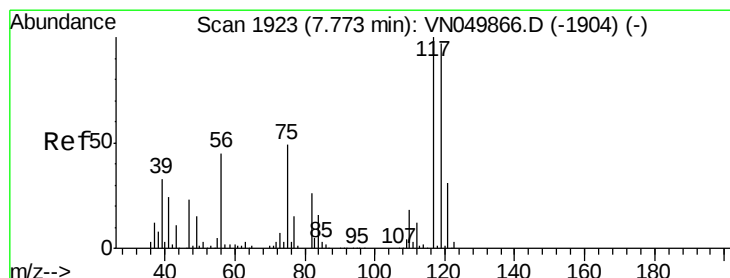
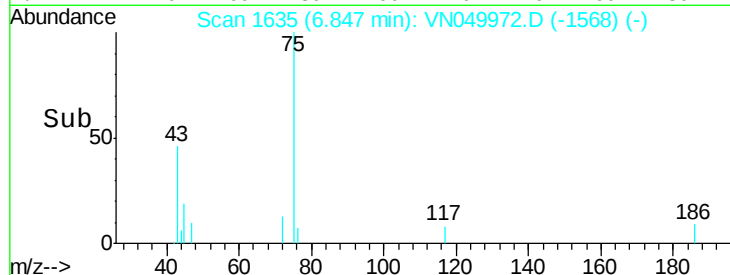
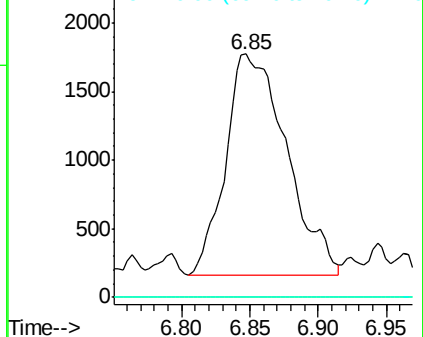
70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 4.48 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

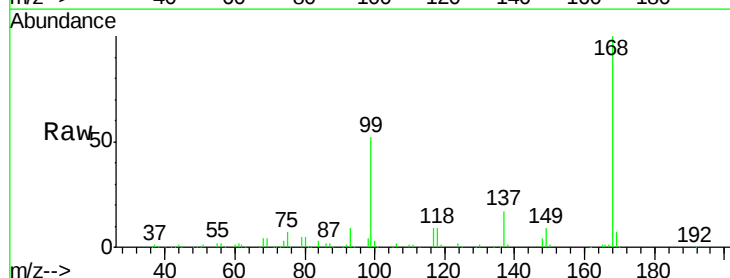
Tgt Ion: 117 Resp: 49005

Ion Ratio Lower Upper

117 100

119 5.9 77.2 115.8#

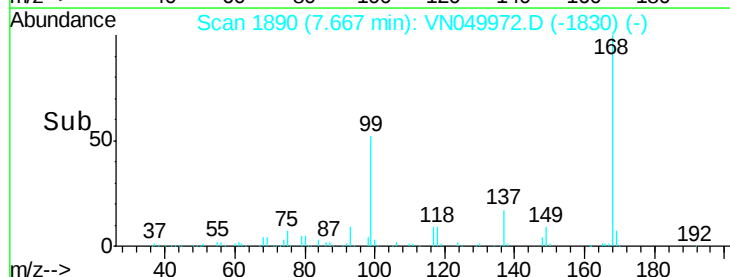
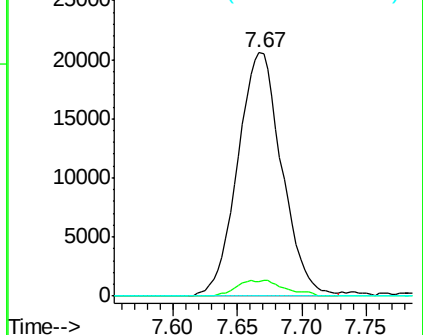
121 0.0 25.0 37.6#

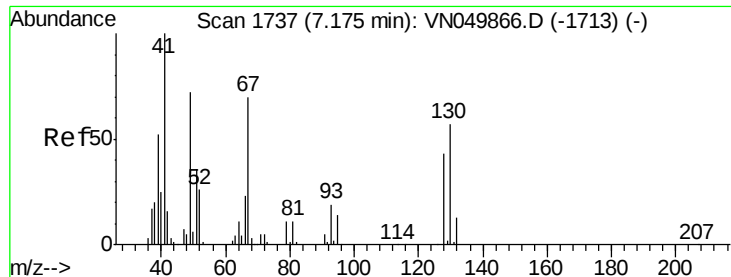


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

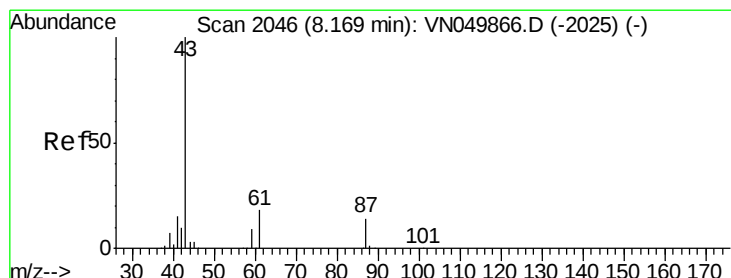
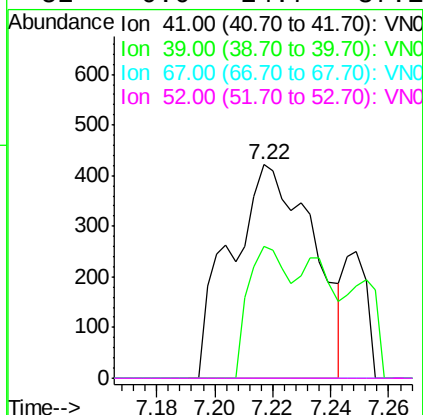
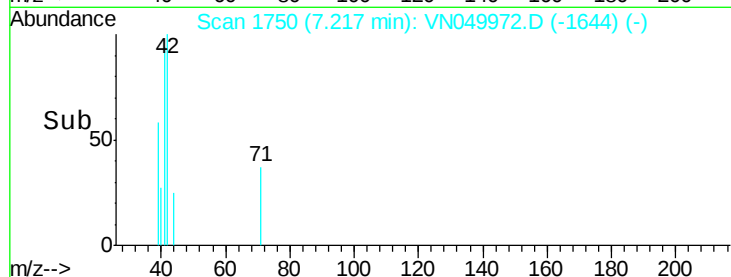
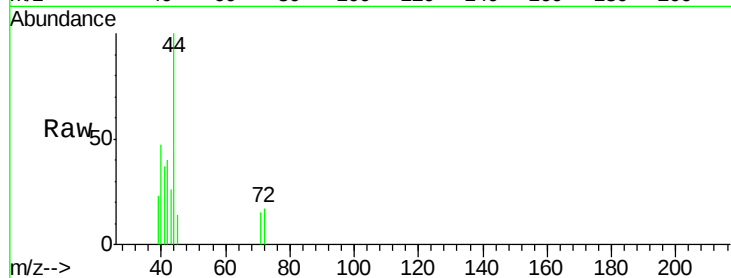




#41  
Methacrylonitrile  
Concen: 0.24 ug/l  
RT: 7.22 min Scan# 1750  
Delta R.T. 0.04 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

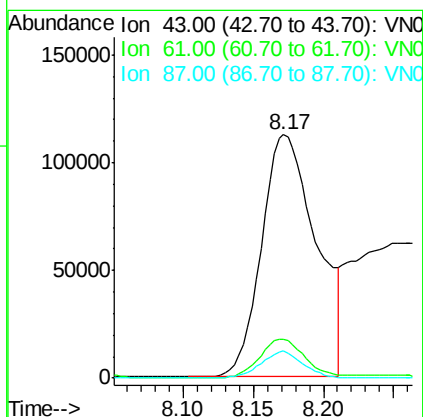
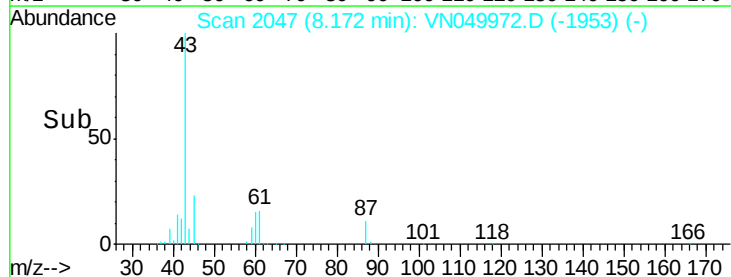
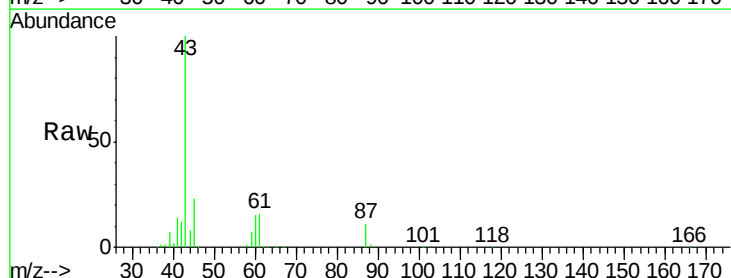
Instrument :  
MSVOA\_N  
ClientSampled :  
SB4-L-12-7

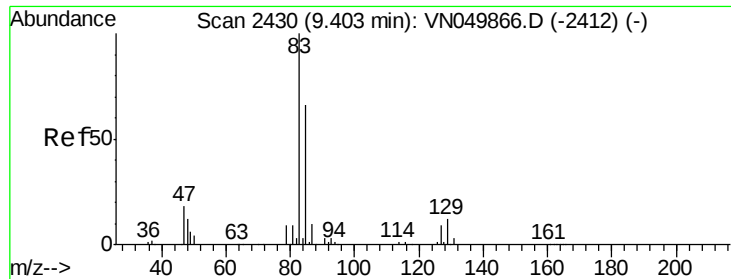
Tot Ion: 41 Resp: 836  
Ion Ratio Lower Upper  
41 100  
39 29.8 45.4 68.2#  
67 0.0 65.4 98.0#  
52 0.0 24.7 37.1#



#43  
Isopropyl Acetate  
Concen: 24.85 ug/l  
RT: 8.17 min Scan# 2047  
Delta R.T. 0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion: 43 Resp: 304368  
Ion Ratio Lower Upper  
43 100  
61 14.1 14.9 22.3#  
87 8.6 10.0 15.0#





#47

Bromodichloromethane

Concen: 0.24 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

Instrument :

MSVOA\_N

ClientSampled :

SB4-L-12-7

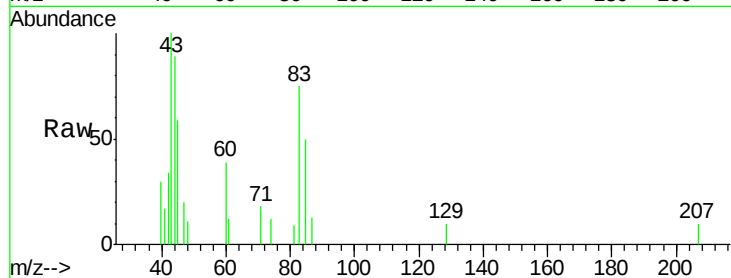
Tot Ion: 83 Resp: 2611

Ion Ratio Lower Upper

83 100

85 65.9 50.5 75.7

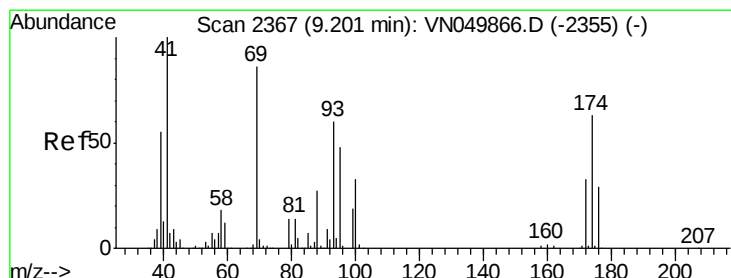
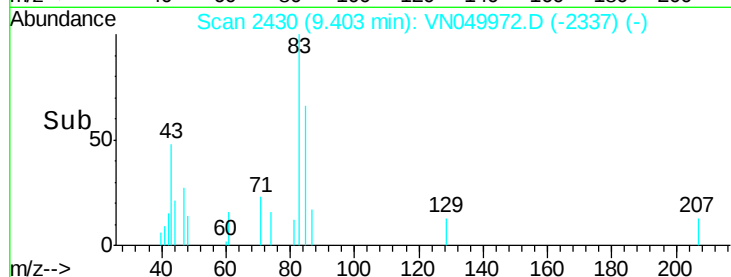
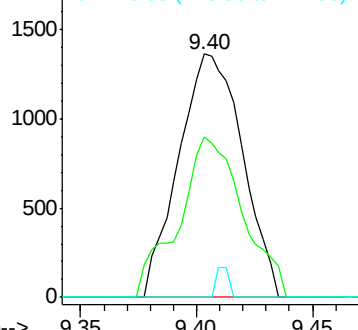
127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN049972.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049972.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049972.D (-2337) (-)



#48

Methyl methacrylate

Concen: 1.29 ug/l

RT: 9.19 min Scan# 2363

Delta R.T. -0.01 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

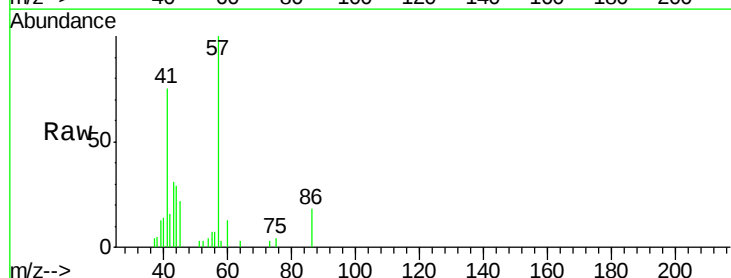
Tgt Ion: 41 Resp: 7925

Ion Ratio Lower Upper

41 100

69 0.0 71.5 107.3#

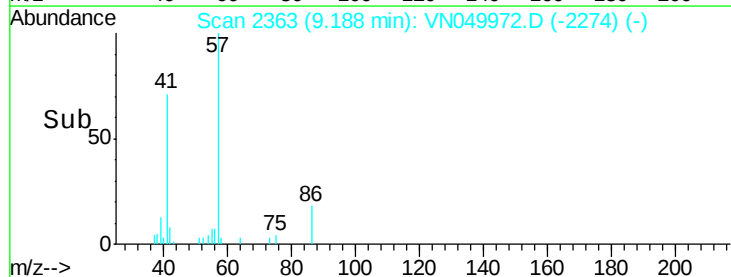
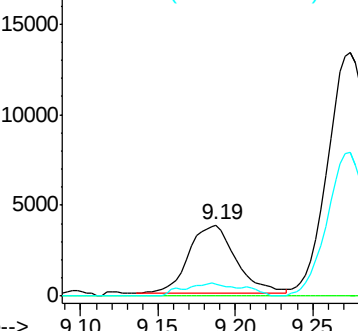
39 23.9 44.7 67.1#

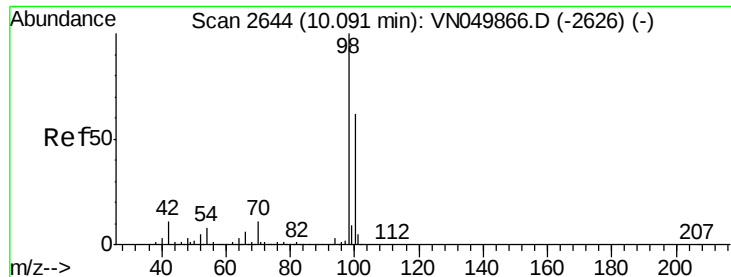


Abundance Ion 41.00 (40.70 to 41.70): VN049972.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049972.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049972.D (-2274) (-)

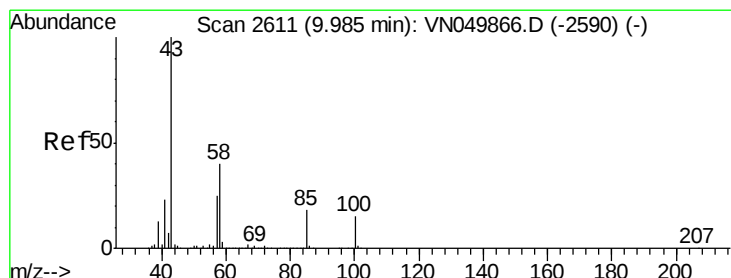
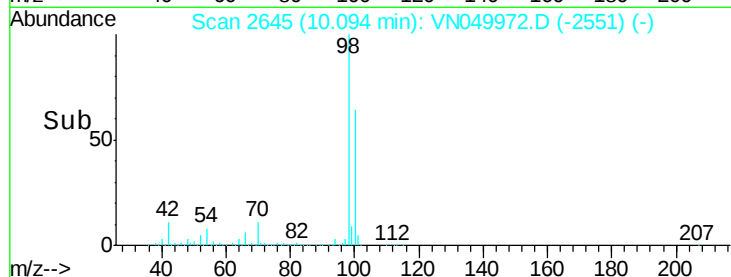
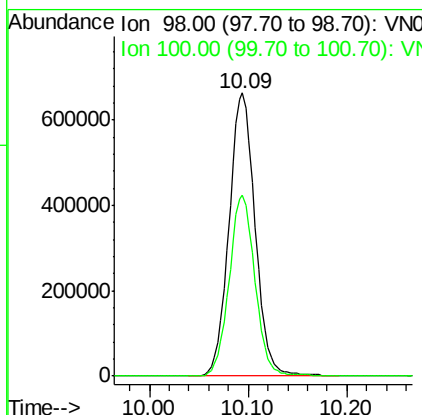
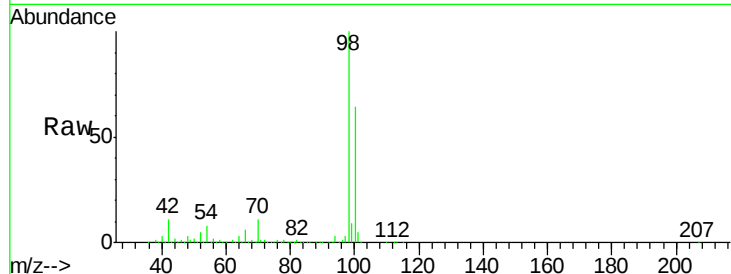




#50  
Toluene-d8  
Concen: 43.66 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

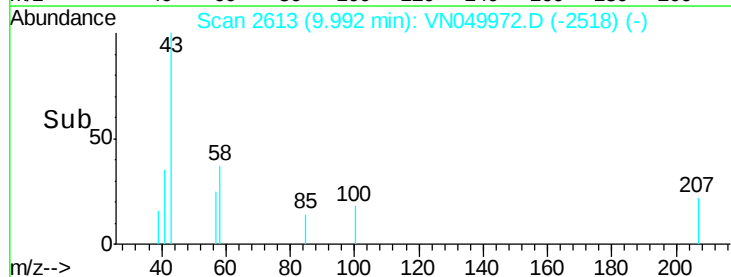
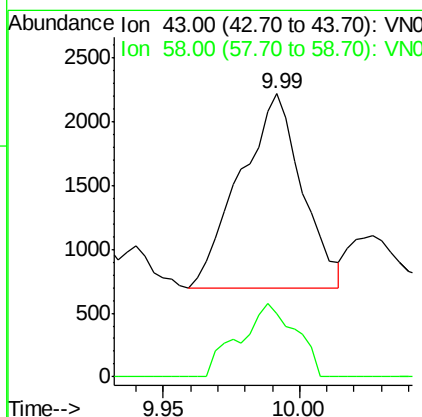
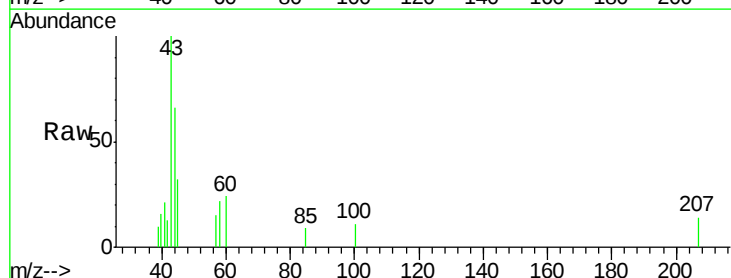
Instrument :  
MSVOA\_N  
ClientSampleId :  
SB4-L-12-7

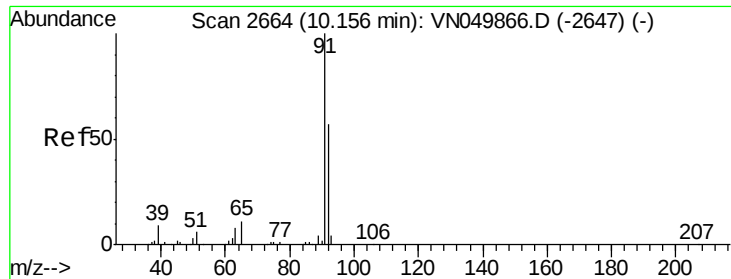
Tot Ion: 98 Resp: 1226250  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.7 77.5



#51  
4-Methyl-2-Pentanone  
Concen: 0.35 ug/l  
RT: 9.99 min Scan# 2613  
Delta R.T. 0.01 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion: 43 Resp: 2414  
Ion Ratio Lower Upper  
43 100  
58 34.1 31.8 47.8





#52

Toluene

Concen: 0.71 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

Instrument :

MSVOA\_N

ClientSampled :

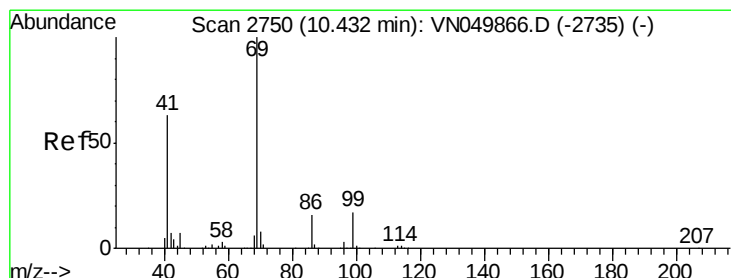
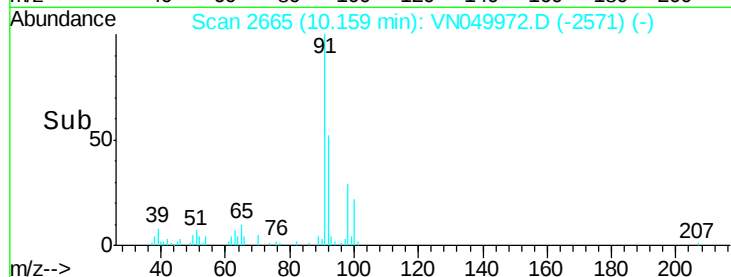
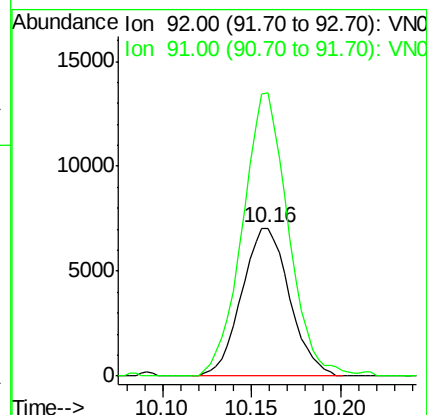
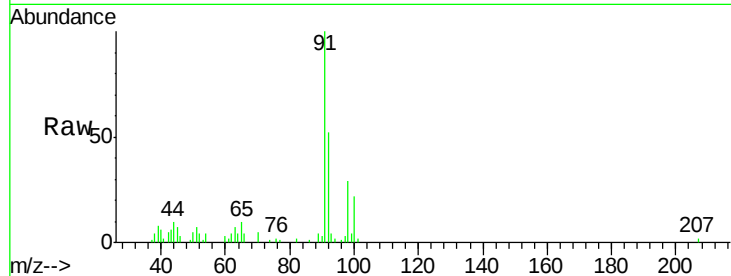
SB4-L-12-7

Tot Ion: 92 Resp: 13191

Ion Ratio Lower Upper

92 100

91 183.1 140.1 210.1



#56

Ethyl methacrylate

Concen: 2.19 ug/l

RT: 10.27 min Scan# 2701

Delta R.T. -0.16 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

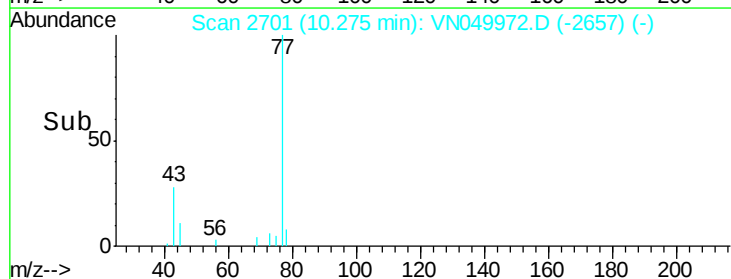
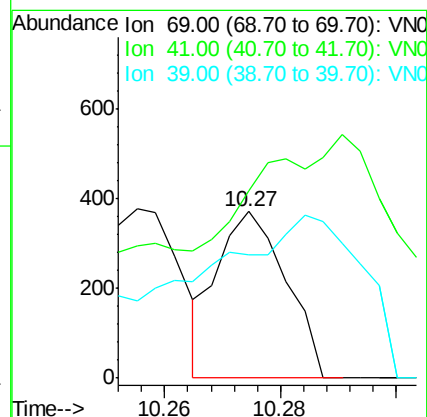
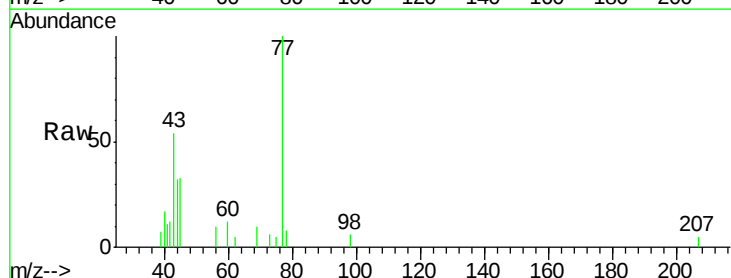
Tgt Ion: 69 Resp: 304

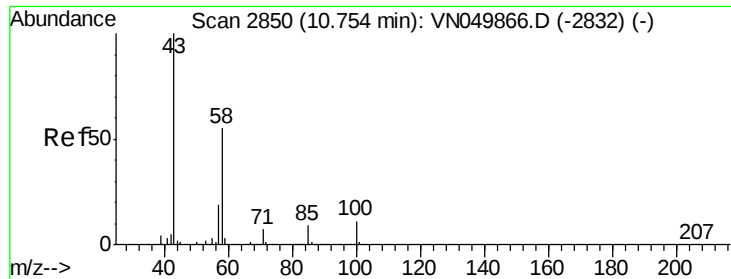
Ion Ratio Lower Upper

69 100

41 171.1 51.6 77.4#

39 210.5 25.8 38.8#





#59

2-Hexanone

Concen: 3.57 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

Instrument :

MSVOA\_N

ClientSampled :

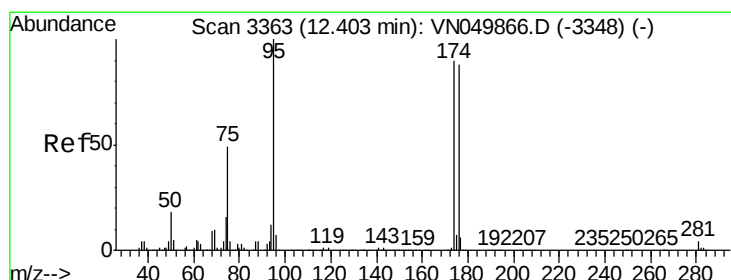
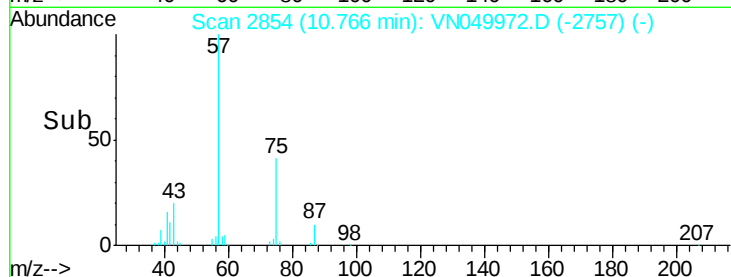
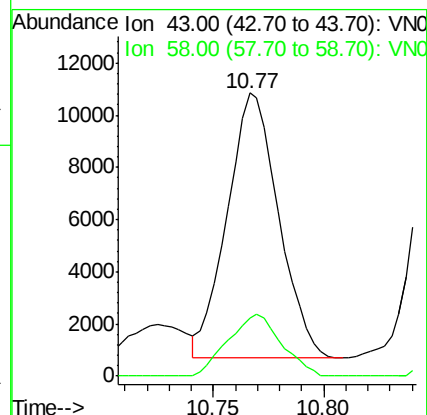
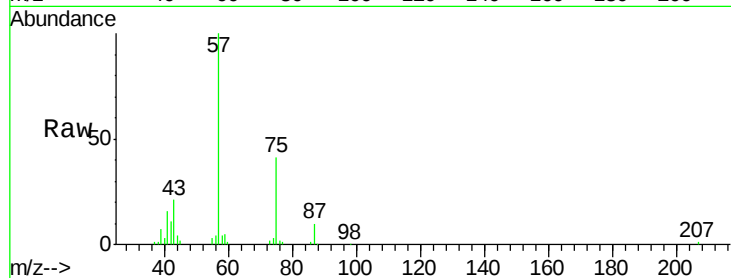
SB4-L-12-7

Tot Ion: 43 Resp: 16403

Ion Ratio Lower Upper

43 100

58 24.4 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 35.27 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

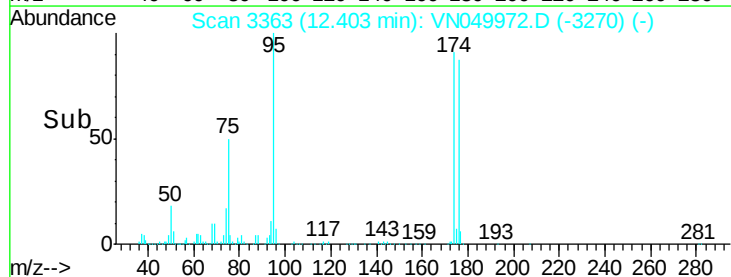
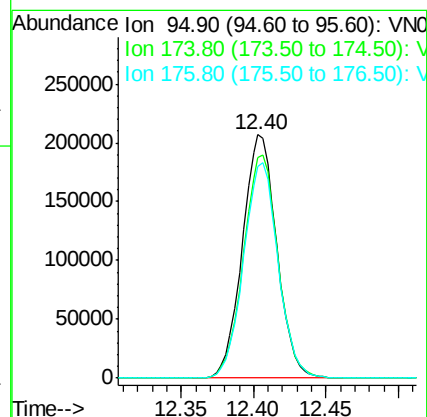
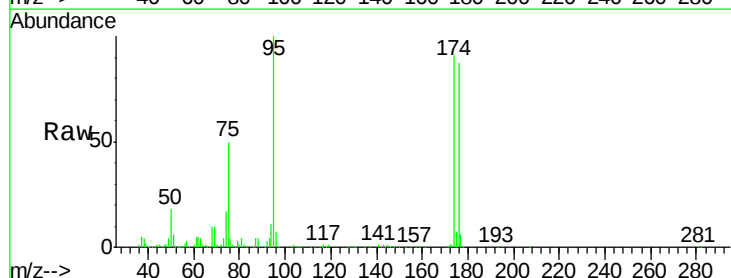
Tgt Ion: 95 Resp: 341149

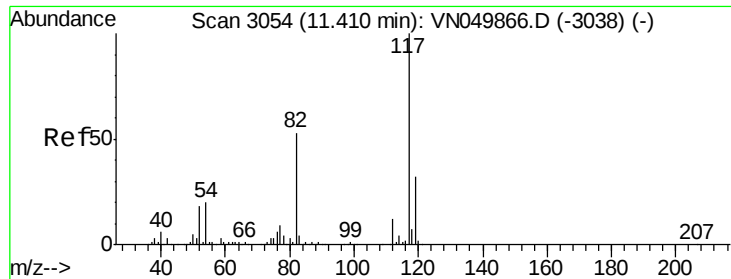
Ion Ratio Lower Upper

95 100

174 92.2 0.0 179.6

176 88.9 0.0 174.0

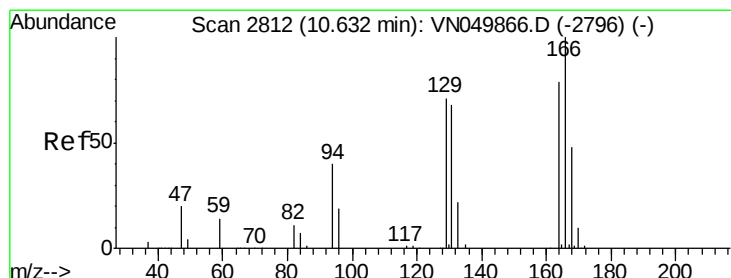
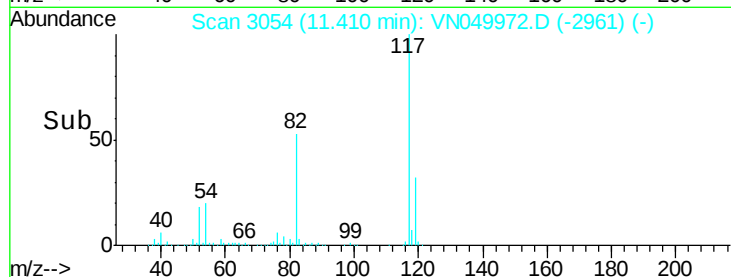
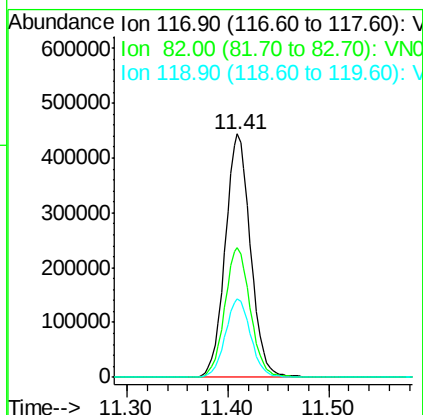
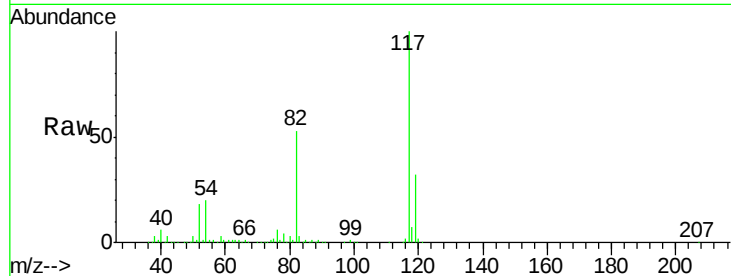




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

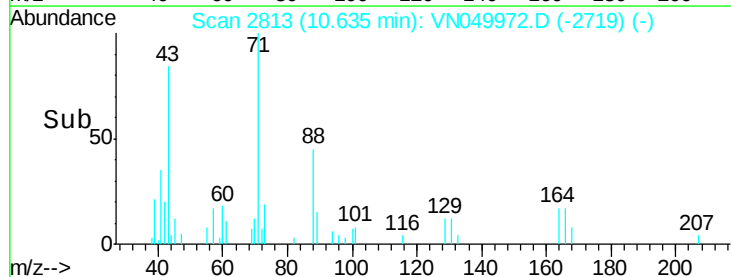
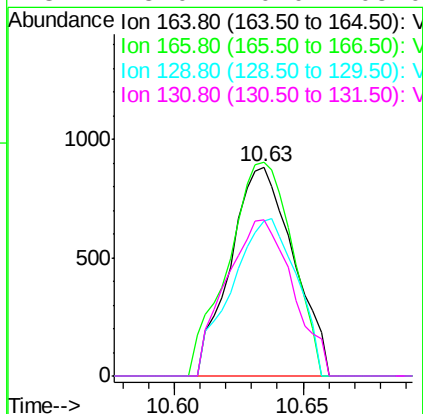
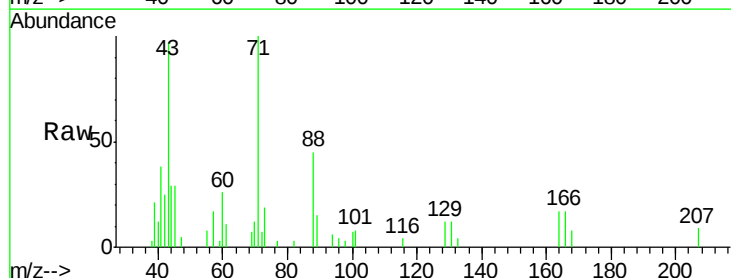
Instrument :  
MSVOA\_N  
ClientSampleId :  
SB4-L-12-7

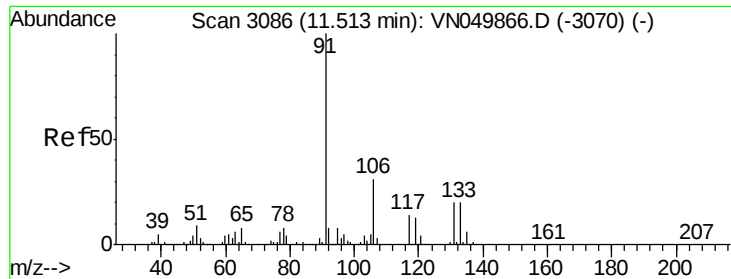
Tot Ion:117 Resp: 777753  
Ion Ratio Lower Upper  
117 100  
82 53.4 41.9 62.9  
119 32.2 25.4 38.2



#64  
Tetrachloroethene  
Concen: 0.22 ug/l  
RT: 10.63 min Scan# 2813  
Delta R.T. 0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion:164 Resp: 1506  
Ion Ratio Lower Upper  
164 100  
166 102.3 101.8 152.6  
129 74.1 72.8 109.2  
131 75.0 70.0 105.0

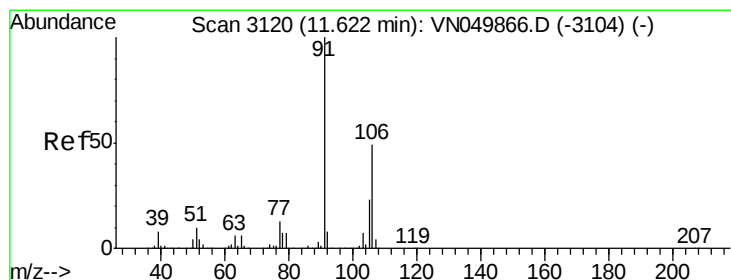
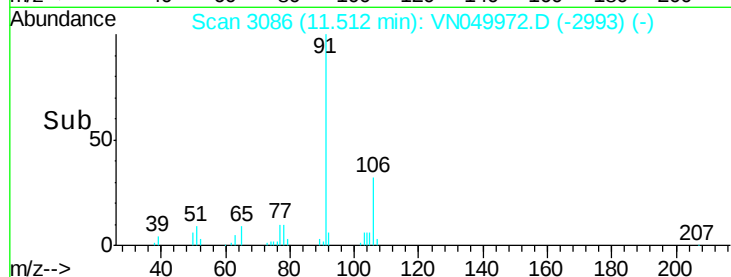
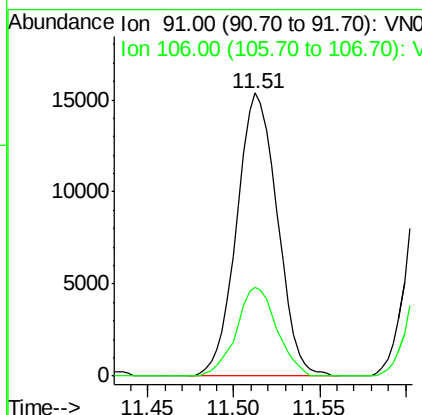
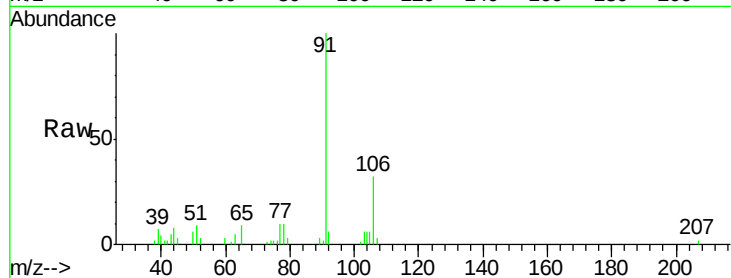




#67  
Ethyl Benzene  
Concen: 0.79 ug/l  
RT: 11.51 min Scan# 3086  
Delta R.T. -0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

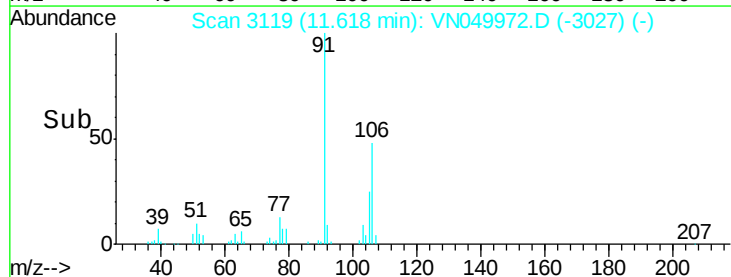
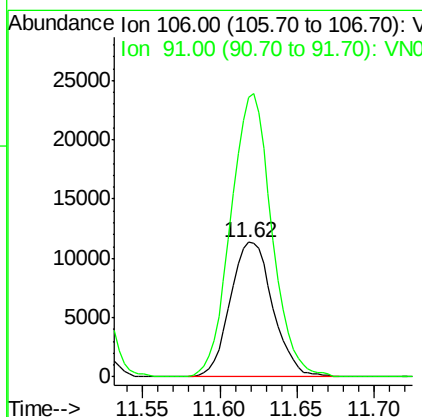
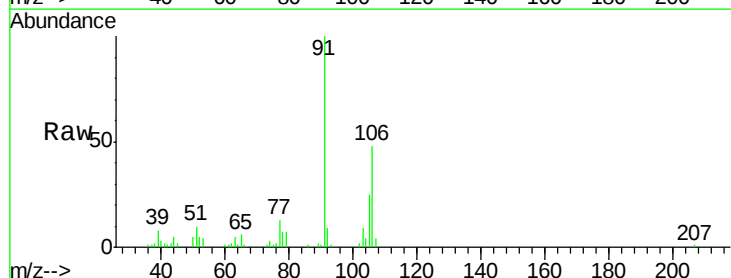
Instrument :  
MSVOA\_N  
ClientSampled :  
SB4-L-12-7

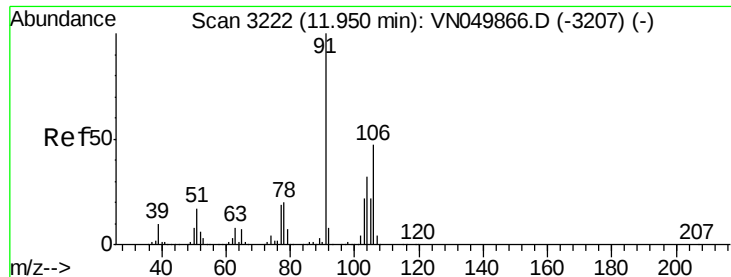
Tot Ion: 91 Resp: 25192  
Ion Ratio Lower Upper  
91 100  
106 31.5 24.8 37.2



#68  
m/p-Xylenes  
Concen: 1.81 ug/l  
RT: 11.62 min Scan# 3119  
Delta R.T. -0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion: 106 Resp: 21731  
Ion Ratio Lower Upper  
106 100  
91 202.0 163.4 245.2

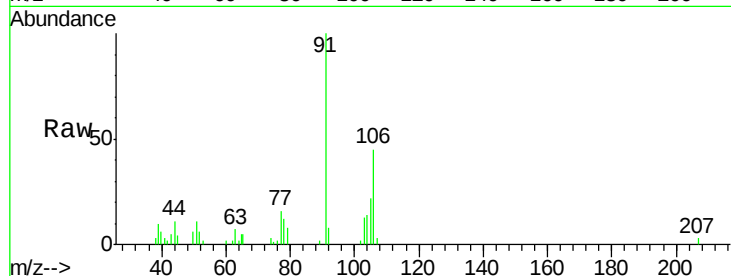




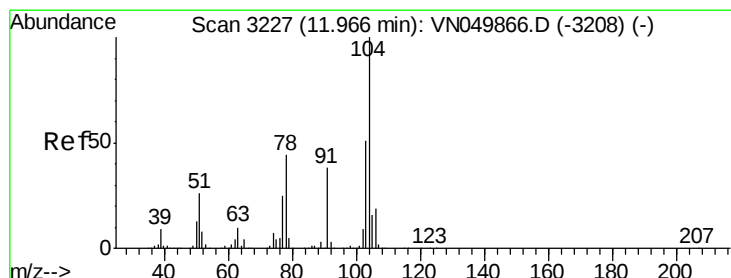
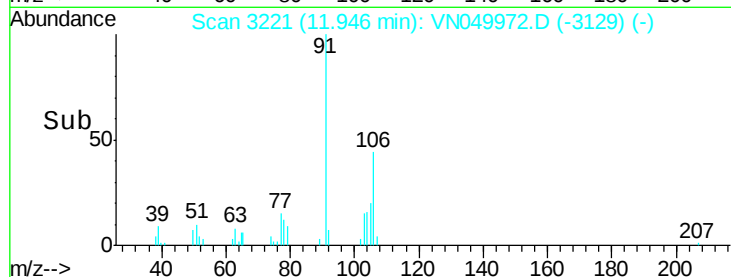
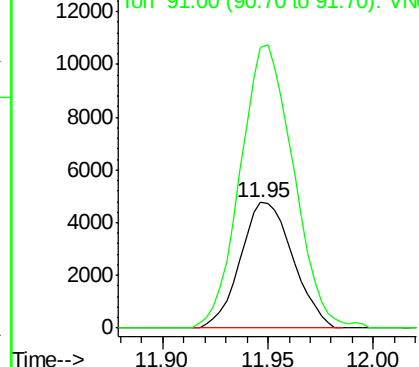
#69  
o-Xylene  
Concen: 0.72 ug/l  
RT: 11.95 min Scan# 3221  
Delta R.T. -0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Instrument :  
MSVOA\_N  
ClientSampled :  
SB4-L-12-7

Tot Ion:106 Resp: 8274  
Ion Ratio Lower Upper  
106 100  
91 227.7 108.7 326.1

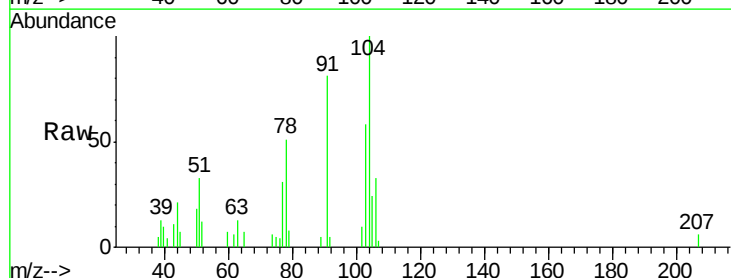


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN0

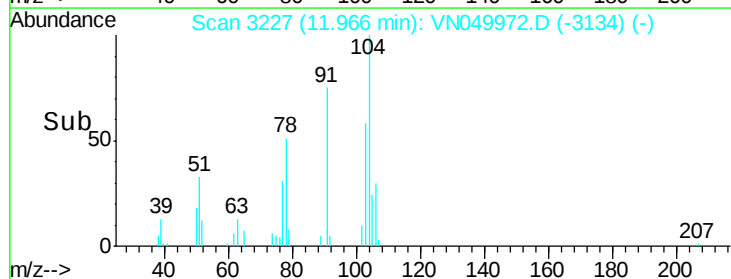
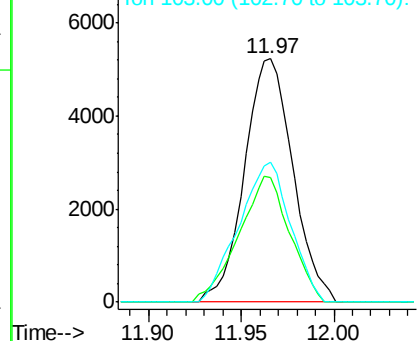


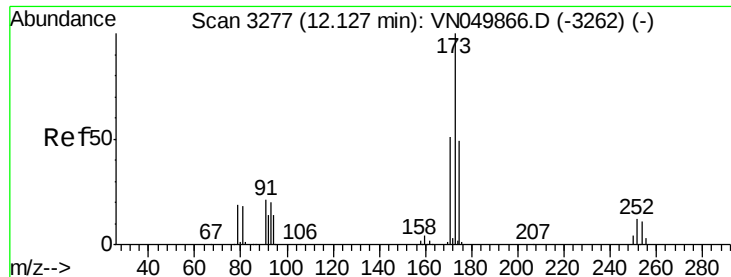
#70  
Styrene  
Concen: 0.51 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. -0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion:104 Resp: 9485  
Ion Ratio Lower Upper  
104 100  
78 54.4 39.2 58.8  
103 61.3 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN0  
Ion 103.00 (102.70 to 103.70): V

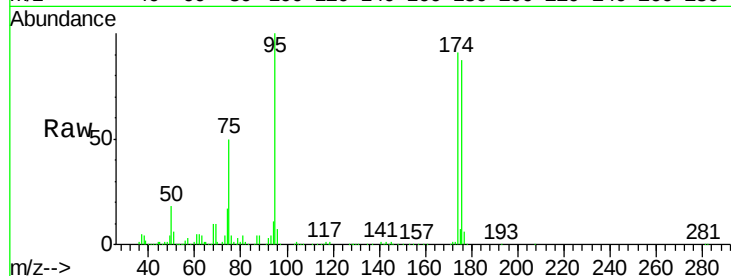




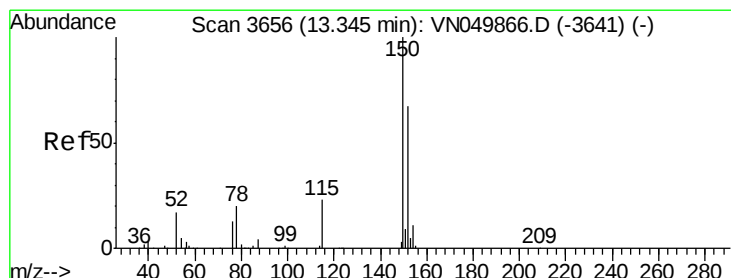
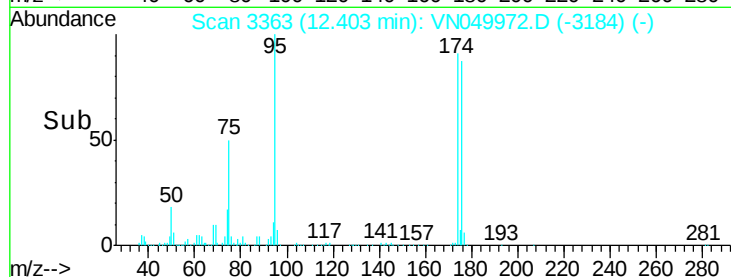
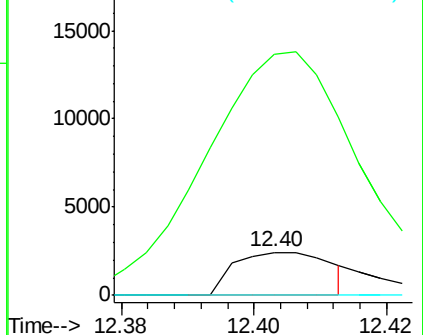
#71  
Bromoform  
Concen: 0.45 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.28 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
SB4-L-12-7

Tot Ion:173 Resp: 2438  
Ion Ratio Lower Upper  
173 100  
175 763.9 24.6 73.8#  
254 0.0 0.2 0.2#

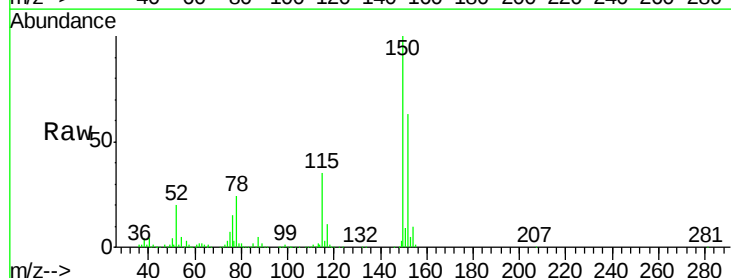


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

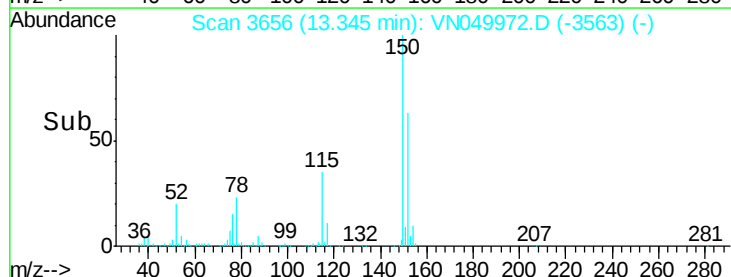
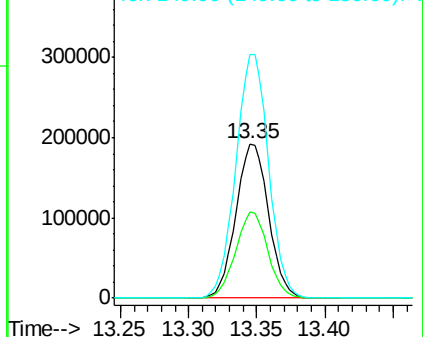


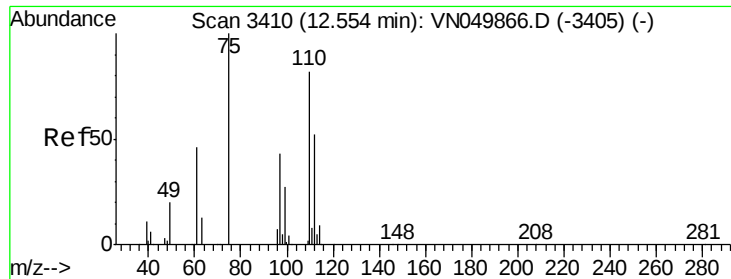
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. -0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion:152 Resp: 318798  
Ion Ratio Lower Upper  
152 100  
115 55.7 28.1 84.2  
150 158.8 0.0 347.6



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

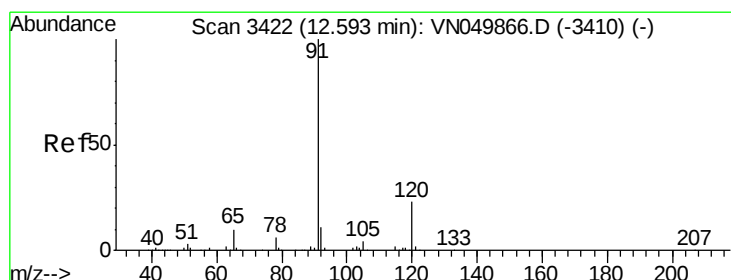
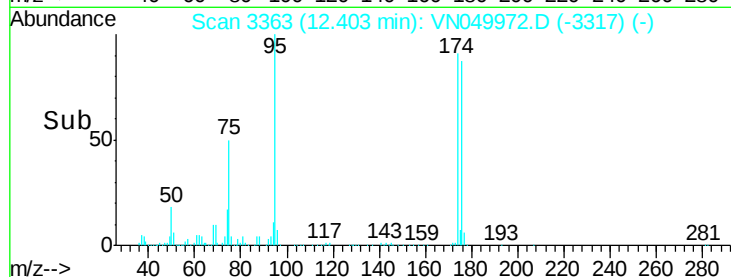
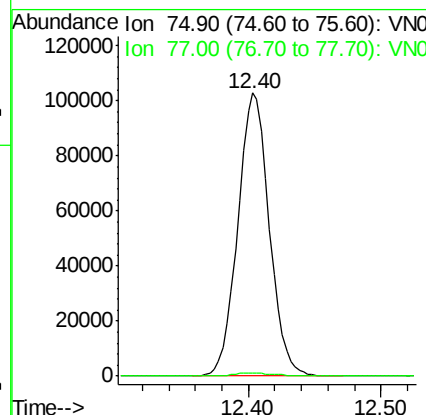
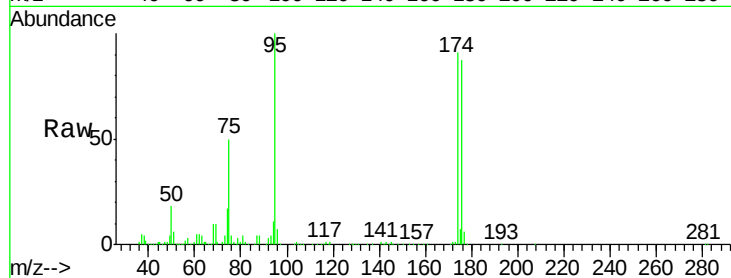




#76  
 1,2,3-Trichloropropane  
 Concen: 28.25 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. -0.15 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

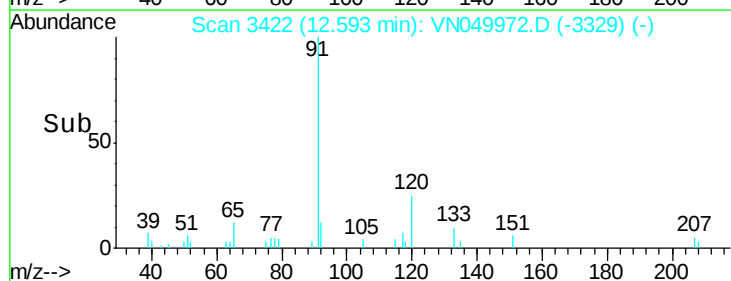
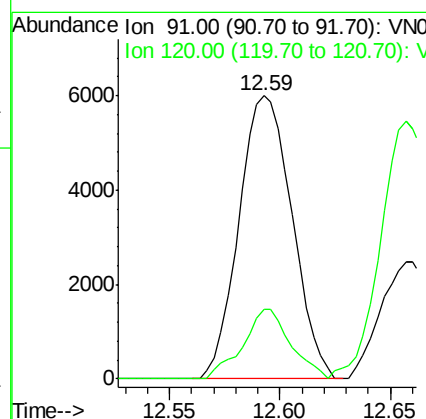
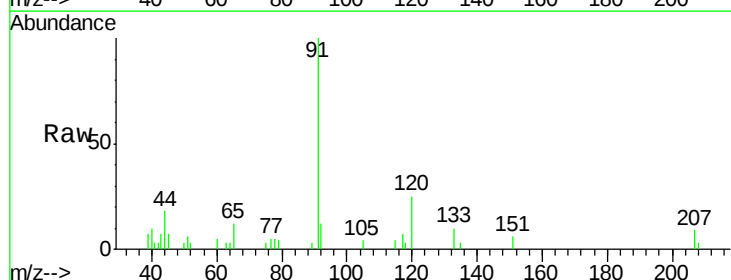
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB4-L-12-7

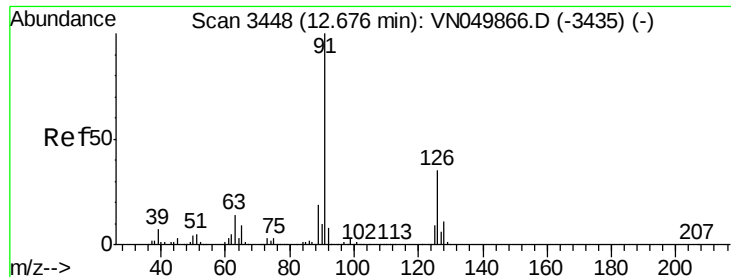
Tot Ion: 75 Resp: 168942  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#



#78  
 n-propylbenzene  
 Concen: 0.36 ug/l  
 RT: 12.59 min Scan# 3422  
 Delta R.T. -0.00 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

Tgt Ion: 91 Resp: 9988  
 Ion Ratio Lower Upper  
 91 100  
 120 22.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.25 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

Instrument :

MSVOA\_N

ClientSampled :

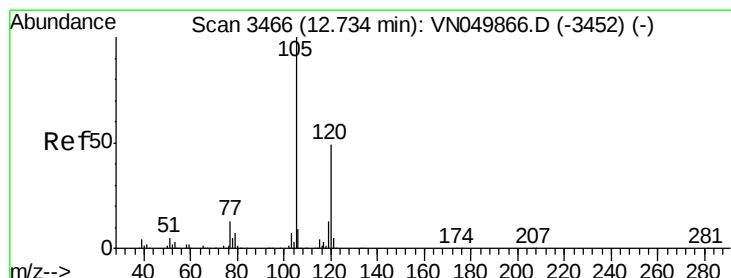
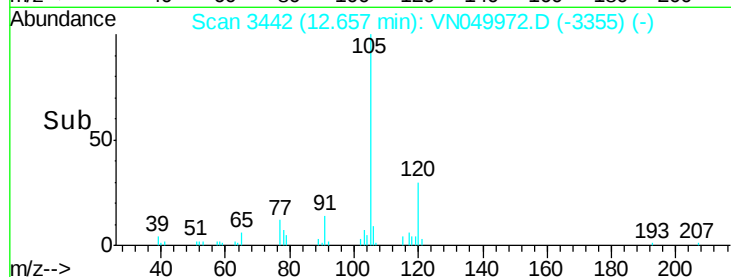
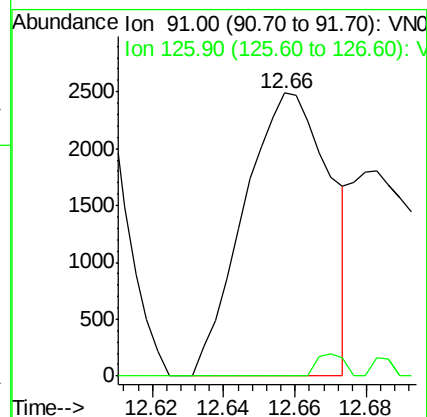
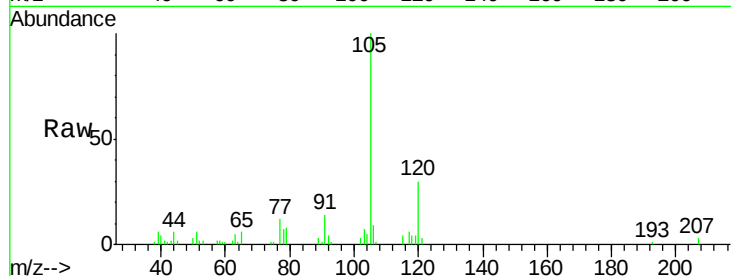
SB4-L-12-7

Tot Ion: 91 Resp: 4151

Ion Ratio Lower Upper

91 100

126 2.5 17.5 52.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.89 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049972.D

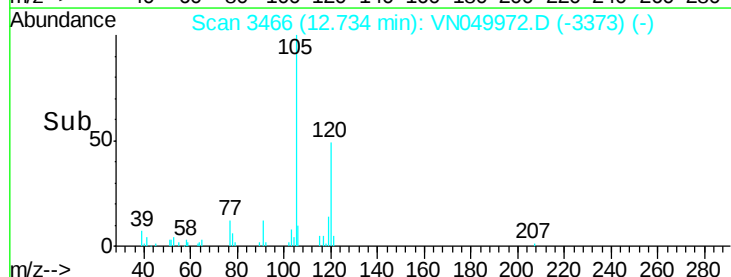
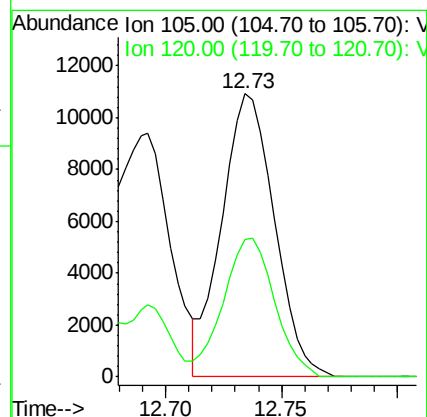
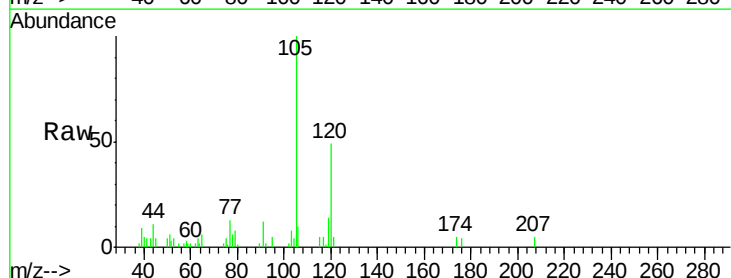
Acq: 20 Jul 2018 19:23

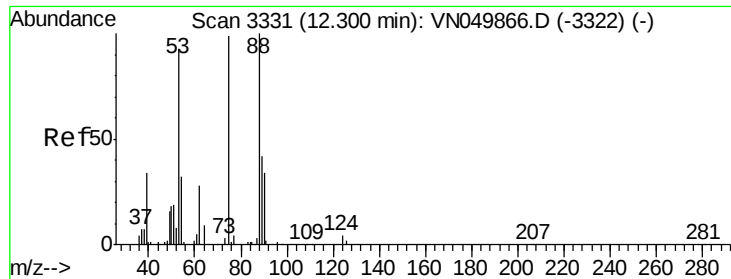
Tgt Ion: 105 Resp: 17253

Ion Ratio Lower Upper

105 100

120 47.5 24.3 72.8

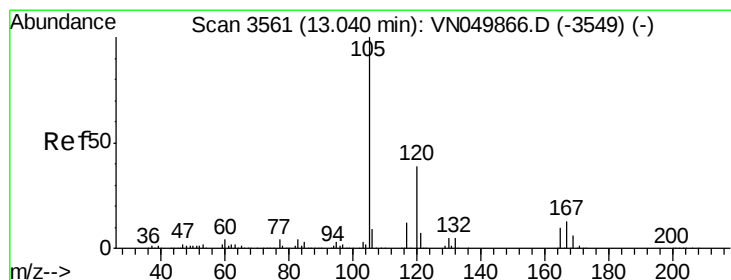
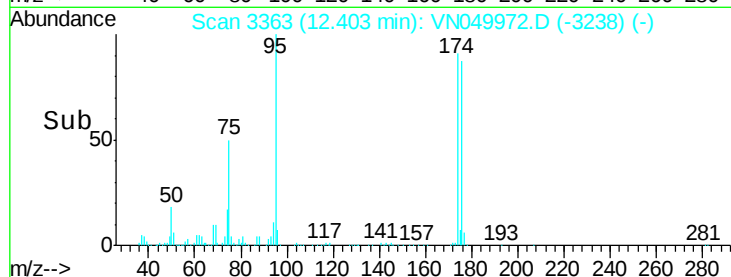
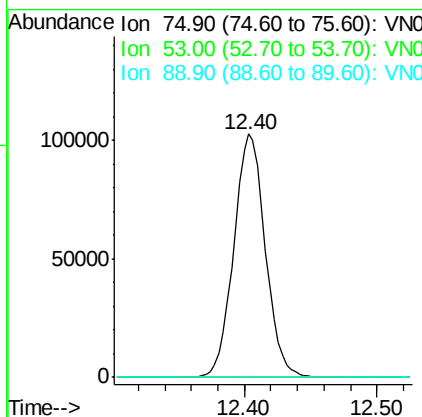
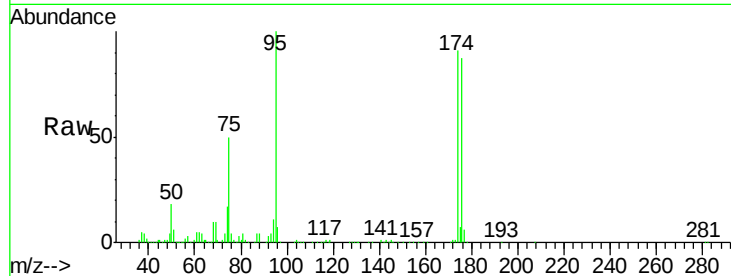




#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.34 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.10 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

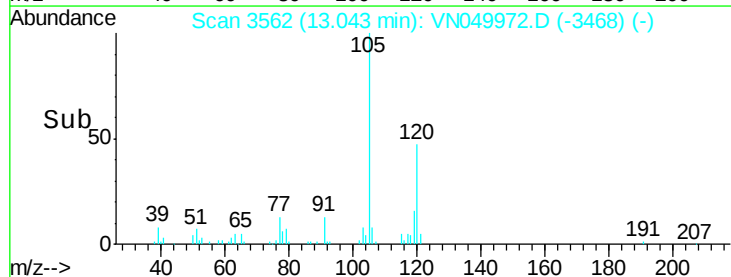
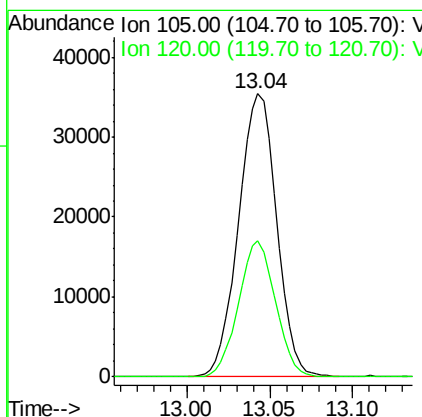
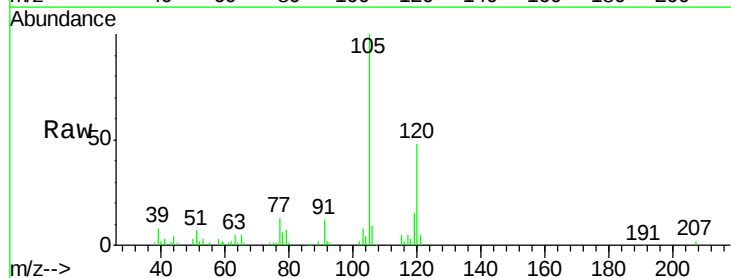
Instrument :  
MSVOA\_N  
ClientSampled :  
SB4-L-12-7

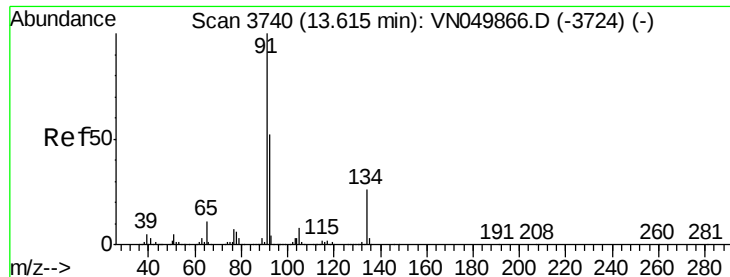
Tot Ion: 75 Resp: 168942  
Ion Ratio Lower Upper  
75 100  
53 0.2 73.9 110.9#  
89 0.0 35.9 53.9#



#84  
1,2,4-Trimethylbenzene  
Concen: 2.88 ug/l  
RT: 13.04 min Scan# 3562  
Delta R.T. 0.00 min  
Lab File: VN049972.D  
Acq: 20 Jul 2018 19:23

Tgt Ion: 105 Resp: 56687  
Ion Ratio Lower Upper  
105 100  
120 46.4 22.7 68.1





#89

n-Butylbenzene

Concen: 0.20 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049972.D

Acq: 20 Jul 2018 19:23

Instrument :

MSVOA\_N

ClientSampleId :

SB4-L-12-7

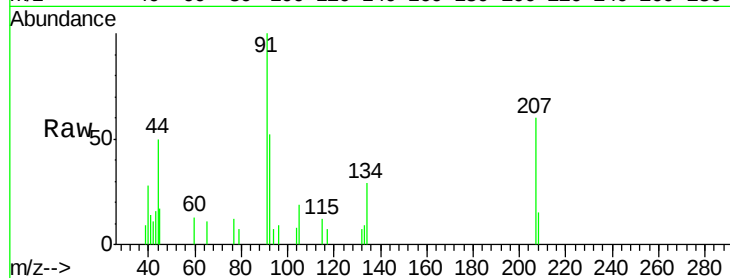
Tot Ion: 91 Resp: 3182

Ion Ratio Lower Upper

91 100

92 64.6 25.8 77.3

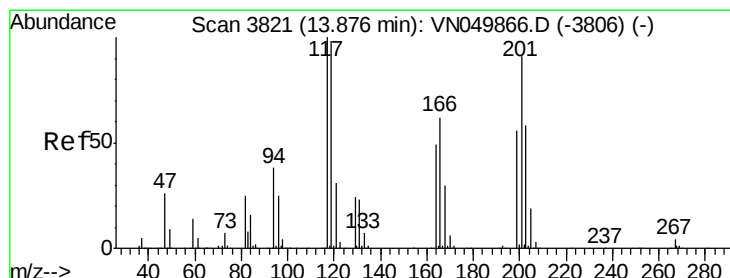
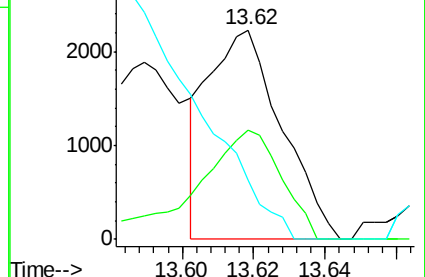
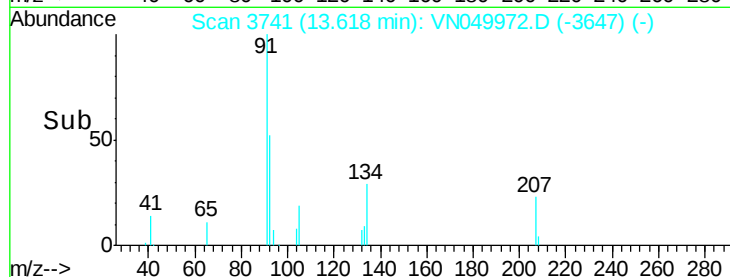
134 0.0 13.0 38.9#



Abundance Ion 91.00 (90.70 to 91.70): VN049972.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049972.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049972.D (-3647) (-)



#90

Hexachloroethane

Concen: 0.68 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN049972.D

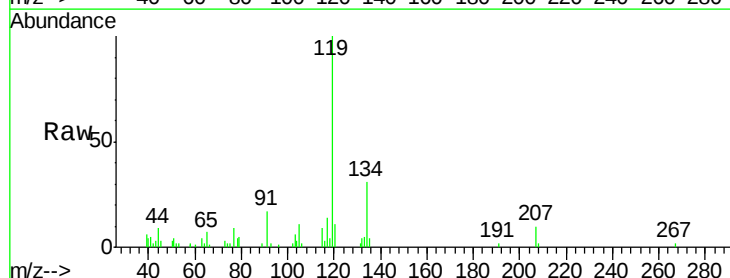
Acq: 20 Jul 2018 19:23

Tgt Ion: 117 Resp: 2943

Ion Ratio Lower Upper

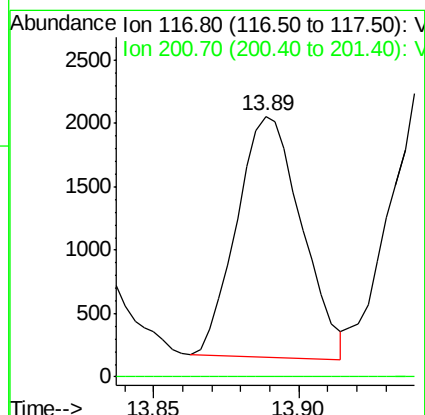
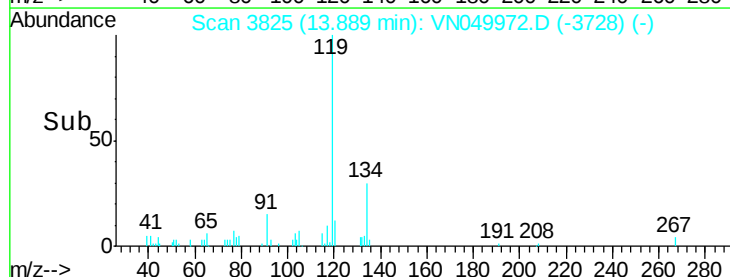
117 100

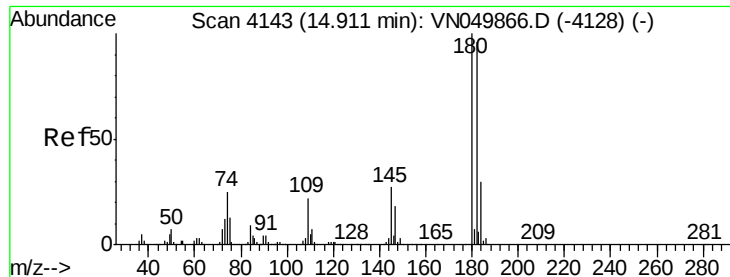
201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): VN049972.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN049972.D (-3728) (-)

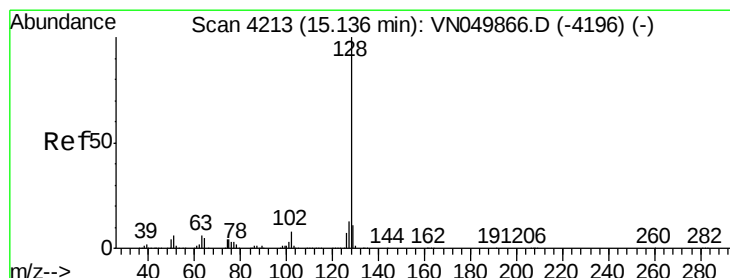
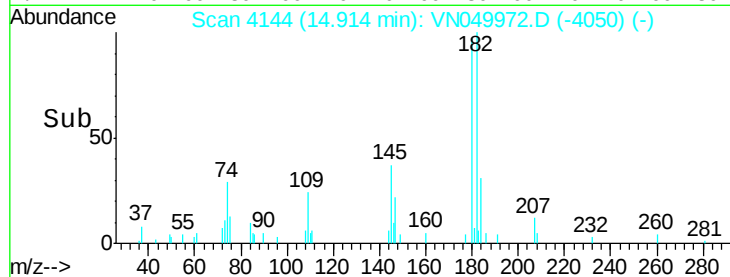
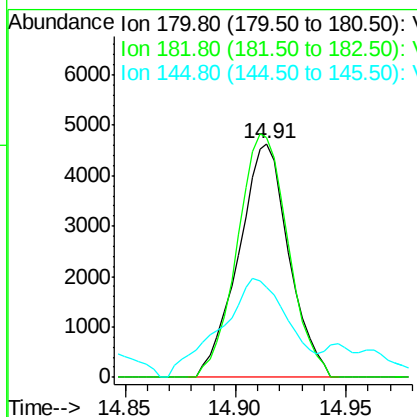
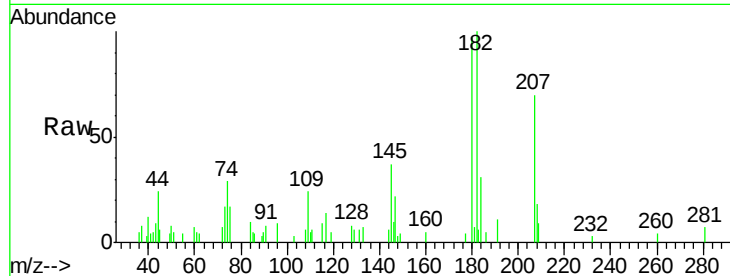




#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.55 ug/l  
 RT: 14.91 min Scan# 4144  
 Delta R.T. 0.00 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

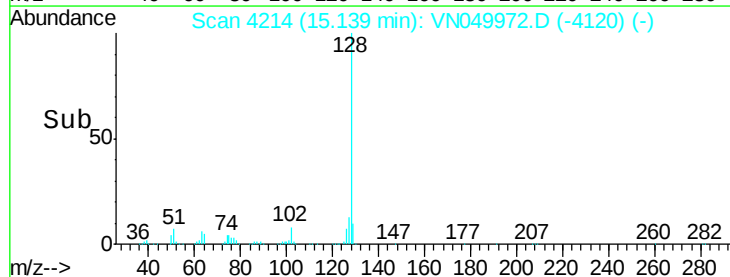
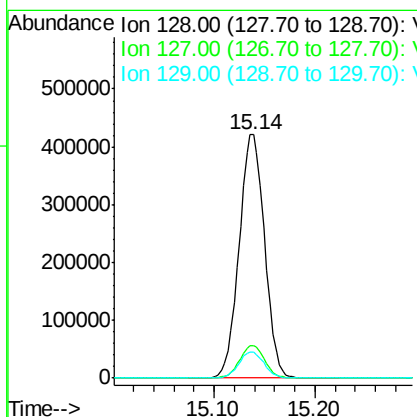
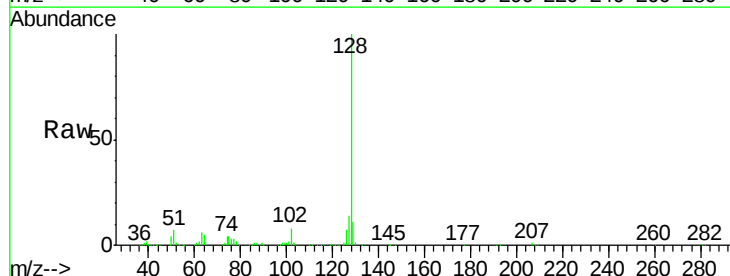
Instrument :  
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 ClientSampleId :  
 SB4-L-12-7

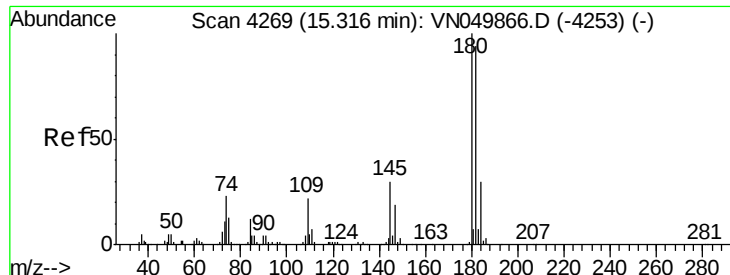
Tot Ion:180 Resp: 7316  
 Ion Ratio Lower Upper  
 180 100  
 182 105.0 47.3 141.9  
 145 57.4 14.4 43.0#



#95  
 Naphthalene  
 Concen: 48.74 ug/l  
 RT: 15.14 min Scan# 4214  
 Delta R.T. 0.00 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

Tgt Ion:128 Resp: 734085  
 Ion Ratio Lower Upper  
 128 100  
 127 13.2 10.4 15.6  
 129 11.0 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.23 ug/l  
 RT: 15.32 min Scan# 4269  
 Delta R.T. -0.00 min  
 Lab File: VN049972.D  
 Acq: 20 Jul 2018 19:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB4-L-12-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 117.2 | 47.4  | 142.2 |
| 145     | 127.4 | 15.2  | 45.6  |

