

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\  
 Data File : VN051209.D  
 Acq On : 14 Sep 2018 23:47  
 Operator : MD\SY  
 Sample : J4906-16  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-PIT-8

Quant Time: Sep 15 00:58:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 02:27:09 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 540697   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 871082   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 716388   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 229925   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

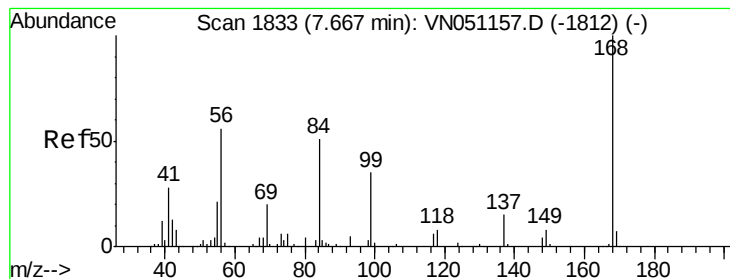
|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 329009   | 54.68 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.36% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 321052   | 49.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.10%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1164148  | 46.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.74%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 300993   | 36.63 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 73.26%  |      |

## Target Compounds

|                                |       |     |        |             |   | Qvalue |
|--------------------------------|-------|-----|--------|-------------|---|--------|
| 3) Chloromethane               | 2.06  | 50  | 2474   | Below Cal   |   | 96     |
| 5) Bromomethane                | 2.57  | 94  | 2237   | Below Cal   |   | 88     |
| 10) Methyl Iodide              | 3.95  | 142 | 253    | 5.67 ug/l   | # | 44     |
| 11) Tert butyl alcohol         | 4.76  | 59  | 99     | 0.22 ug/l   | # | 73     |
| 16) Acetone                    | 3.82  | 43  | 38249  | 20.35 ug/l  |   | 95     |
| 18) Methyl Acetate             | 4.34  | 43  | 13192  | 2.74 ug/l   | # | 83     |
| 20) Methylene Chloride         | 4.56  | 84  | 89978  | 13.54 ug/l  |   | 96     |
| 25) 2-Butanone                 | 6.85  | 43  | 8464   | 3.58 ug/l   | # | 82     |
| 29) Tetrahydrofuran            | 7.22  | 42  | 832    | 0.56 ug/l   | # | 83     |
| 30) Chloroform                 | 7.37  | 83  | 4288   | 0.39 ug/l   |   | 100    |
| 31) Cyclohexane                | 7.66  | 56  | 8300   | 0.62 ug/l   | # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 34632  | 3.62 ug/l   | # | 48     |
| 37) Ethyl Acetate              | 6.85  | 43  | 8464   | 1.53 ug/l   | # | 66     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 46371  | 4.93 ug/l   | # | 17     |
| 41) Methacrylonitrile          | 7.23  | 41  | 748    | 0.26 ug/l   | # | 32     |
| 43) Isopropyl Acetate          | 8.17  | 43  | 271021 | 27.73 ug/l  | # | 79     |
| 44) Trichloroethene            | 8.83  | 130 | 3557   | 0.45 ug/l   |   | 87     |
| 48) Methyl methacrylate        | 9.19  | 41  | 6068   | 1.27 ug/l   | # | 14     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 2945   | 0.54 ug/l   | # | 59     |
| 52) Toluene                    | 10.15 | 92  | 4057   | 0.23 ug/l   |   | 100    |
| 56) Ethyl methacrylate         | 10.23 | 69  | 1557   | 2.63 ug/l   | # | 40     |
| 59) 2-Hexanone                 | 10.76 | 43  | 11536  | 3.15 ug/l   | # | 60     |
| 64) Tetrachloroethene          | 10.63 | 164 | 2522   | 0.39 ug/l   |   | 96     |
| 68) m/p-Xylenes                | 11.62 | 106 | 3807   | 0.34 ug/l   |   | 98     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 138675 | 38.56 ug/l  | # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 138675 | 114.54 ug/l | # | 15     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 3408   | 0.22 ug/l   |   | 97     |
| 90) Hexachloroethane           | 13.88 | 117 | 155    | Below Cal   | # | 2      |
| 95) Naphthalene                | 15.13 | 128 | 114860 | 17.21 ug/l  |   | 99     |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampleId :

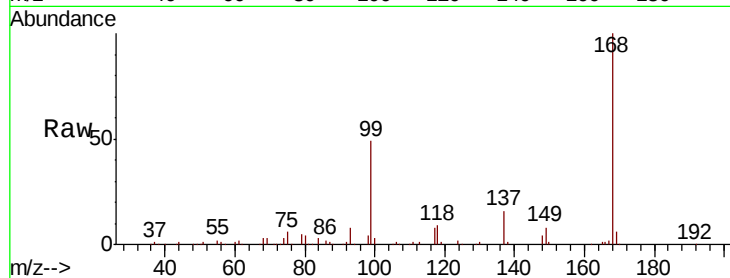
SP-PIT-8

Tot Ion:168 Resp: 540697

Ion Ratio Lower Upper

168 100

99 48.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

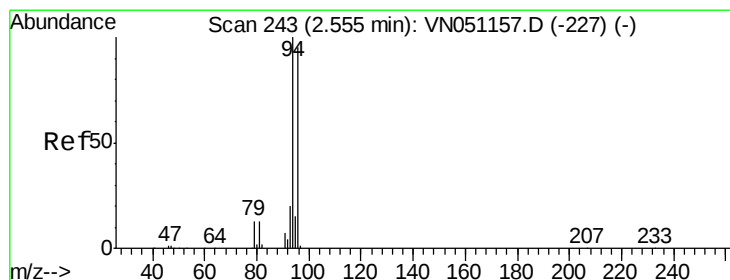
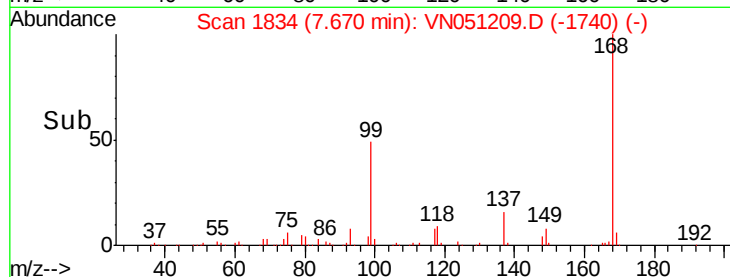
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051209.D

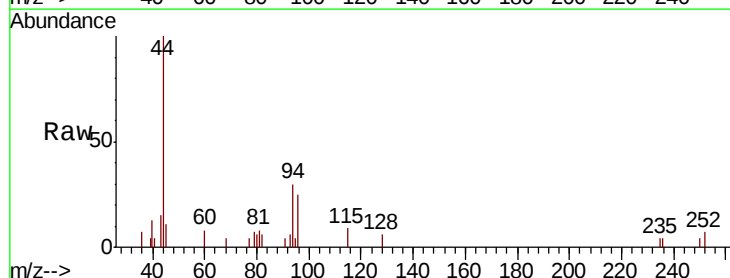
Acq: 14 Sep 2018 23:47

Tgt Ion: 94 Resp: 2237

Ion Ratio Lower Upper

94 100

96 83.0 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

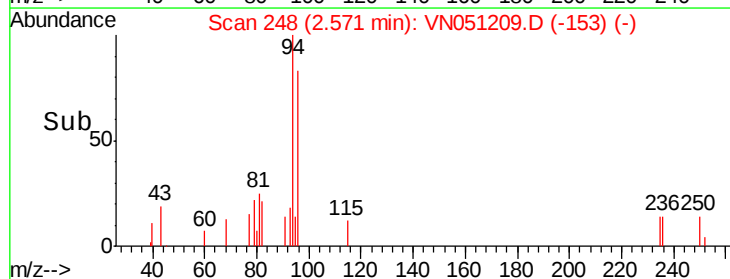
2.57

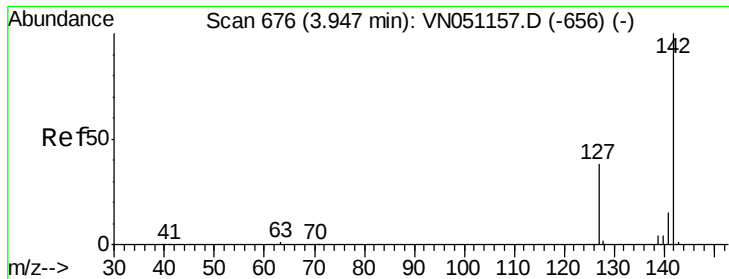
1000

500

0

Time-->

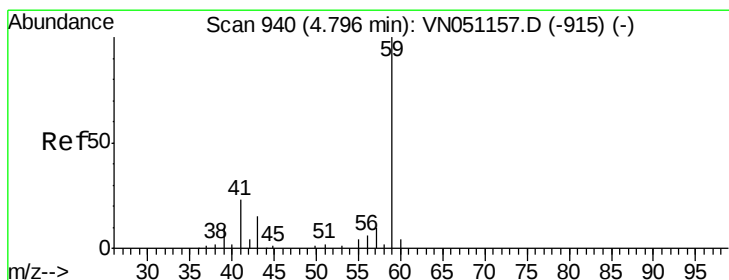
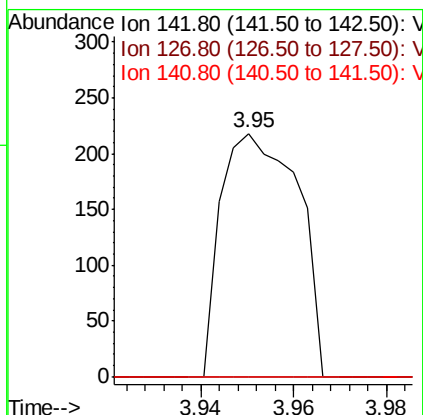
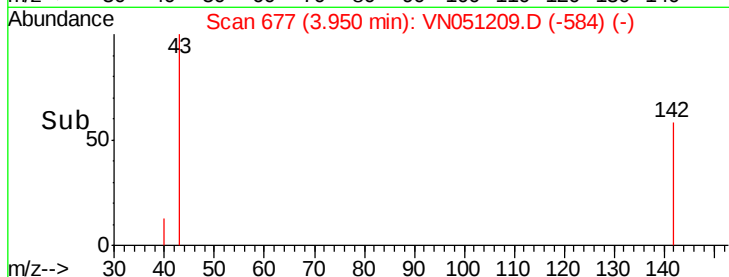
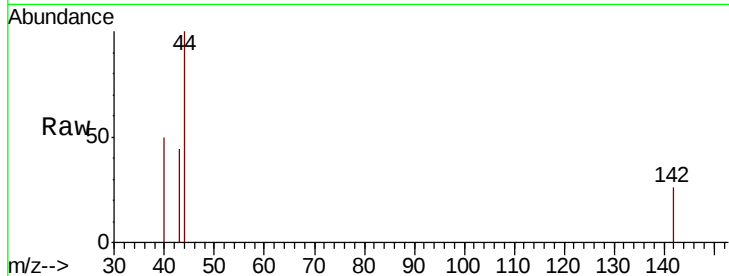




#10  
Methvl Iodide  
Concen: 5.67 ug/l  
RT: 3.95 min Scan# 677  
Delta R.T. 0.00 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

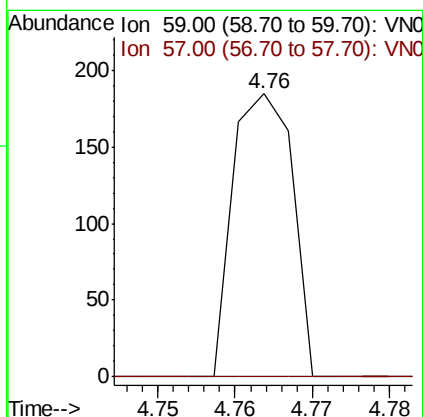
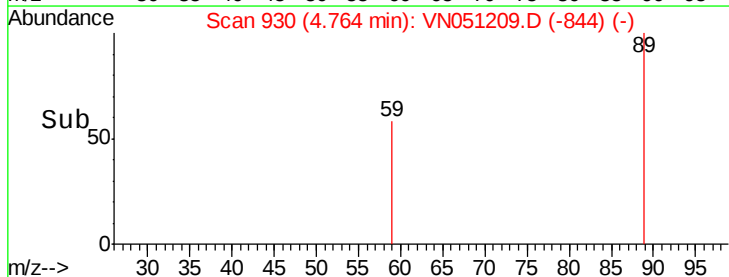
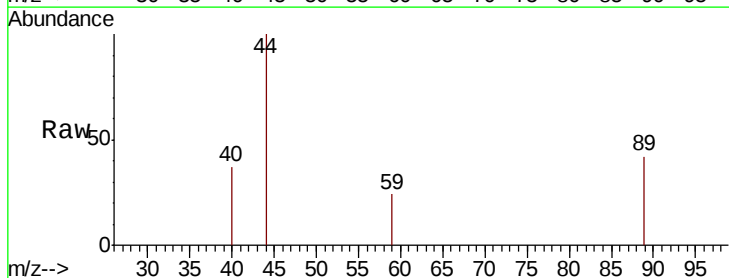
Instrument :  
MSVOA\_N  
ClientSampleId :  
SP-PIT-8

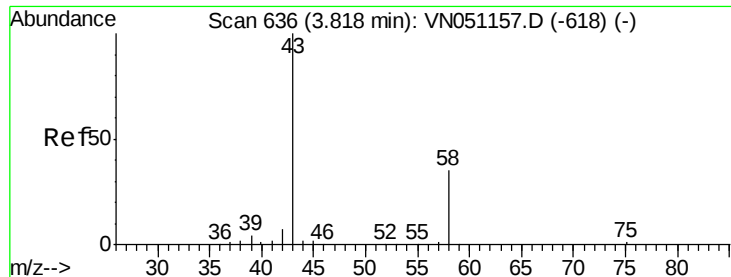
Tot Ion:142 Resp: 253  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.0 46.4#  
141 0.0 11.3 16.9#



#11  
Tert butyl alcohol  
Concen: 0.22 ug/l  
RT: 4.76 min Scan# 930  
Delta R.T. -0.02 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

Tgt Ion: 59 Resp: 99  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#





#16

Acetone

Concen: 20.35 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampled :

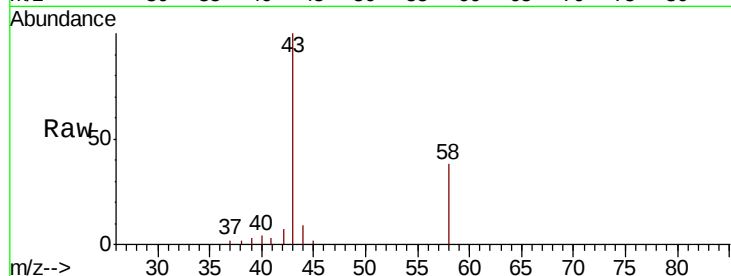
SP-PIT-8

Tot Ion: 43 Resp: 38249

Ion Ratio Lower Upper

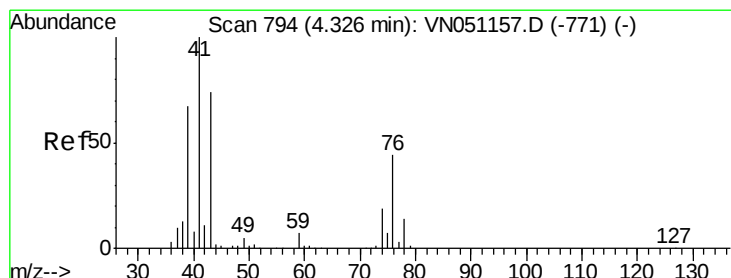
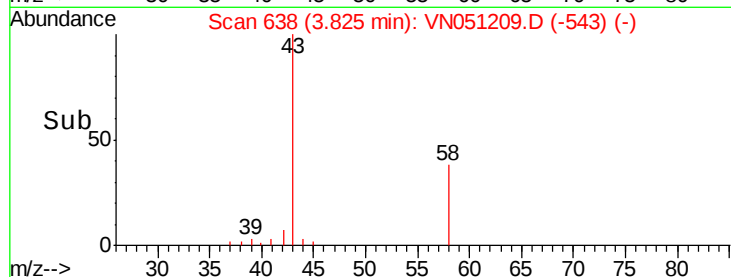
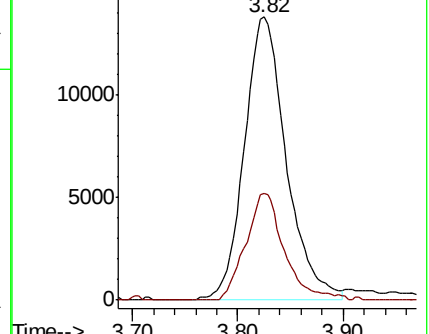
43 100

58 37.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN051157.D (-618) (-)



#18

Methyl Acetate

Concen: 2.74 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051209.D

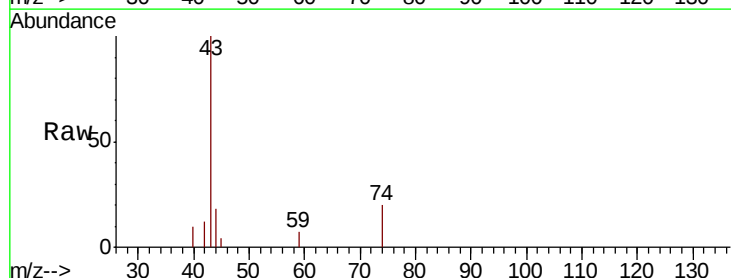
Acq: 14 Sep 2018 23:47

Tgt Ion: 43 Resp: 13192

Ion Ratio Lower Upper

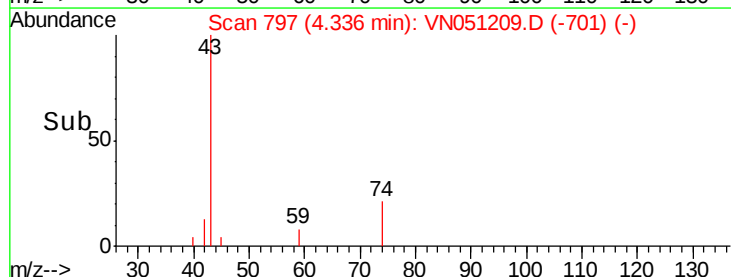
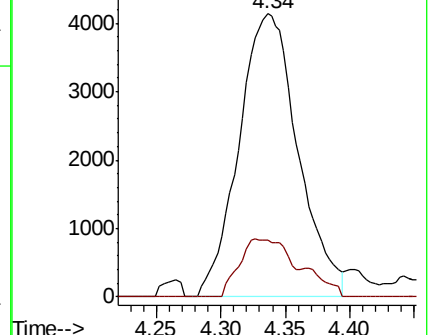
43 100

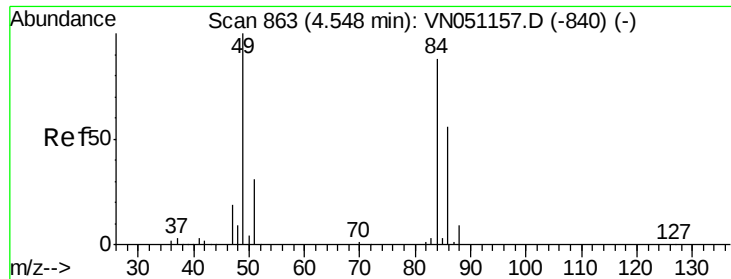
74 17.1 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051157.D (-771) (-)

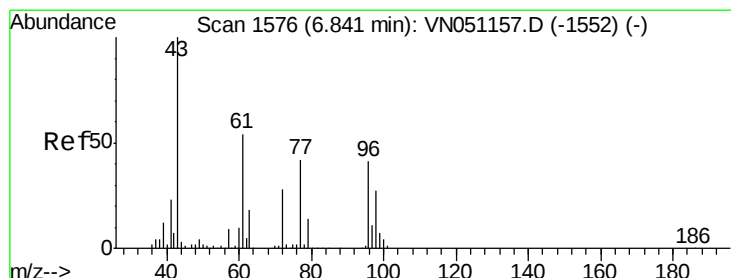
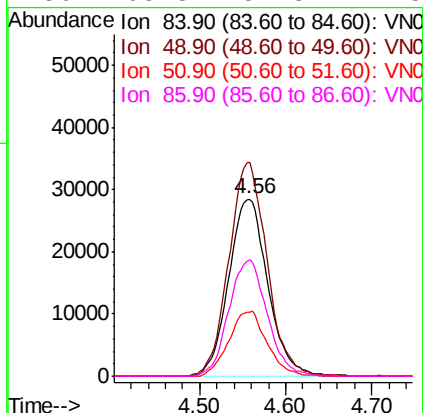
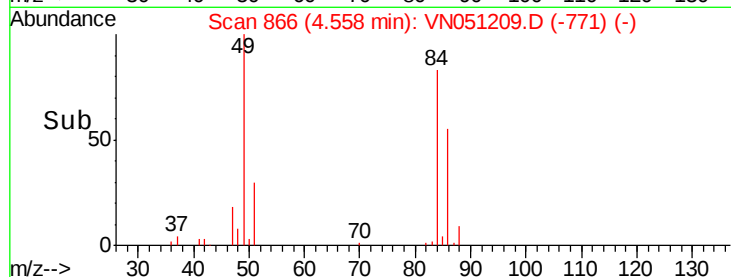
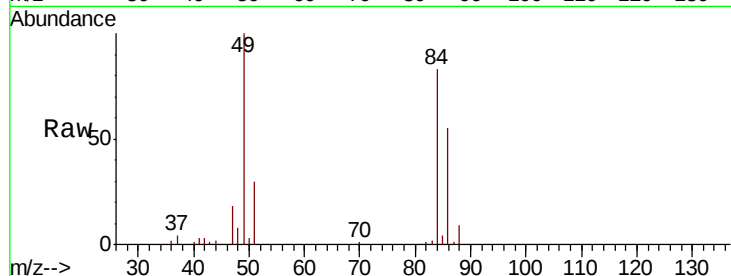




#20  
Methvlene Chloride  
Concen: 13.54 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.01 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

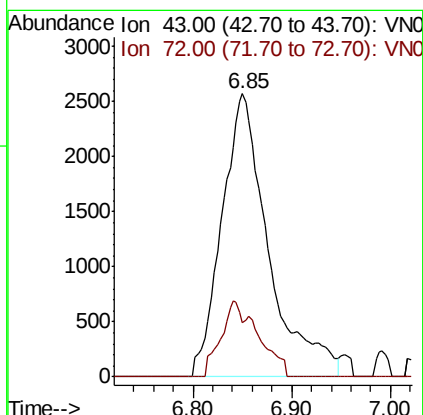
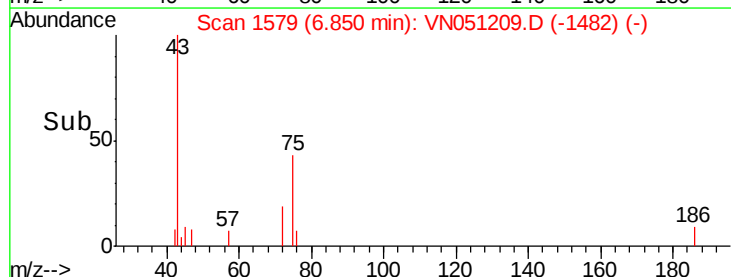
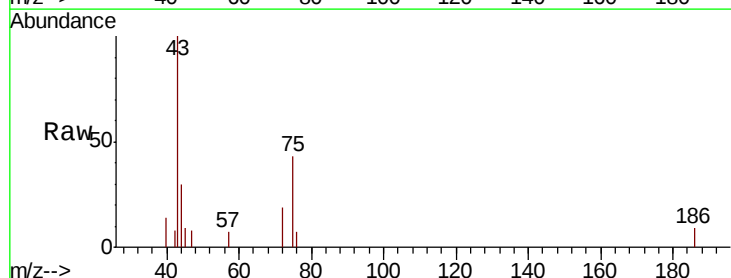
Instrument :  
MSVOA\_N  
ClientSampled :  
SP-PIT-8

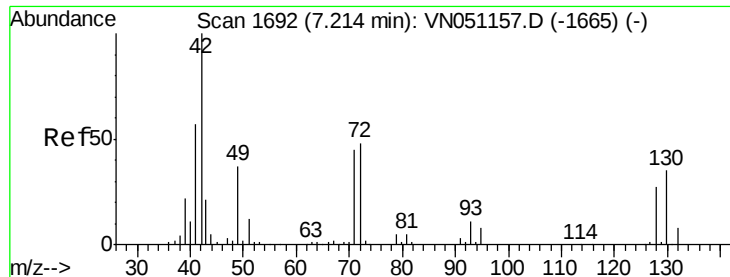
Tot Ion: 84 Resp: 89978  
Ion Ratio Lower Upper  
84 100  
49 120.4 90.2 135.2  
51 36.5 28.4 42.6  
86 65.8 51.8 77.8



#25  
2-Butanone  
Concen: 3.58 ug/l  
RT: 6.85 min Scan# 1579  
Delta R.T. 0.01 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

Tgt Ion: 43 Resp: 8464  
Ion Ratio Lower Upper  
43 100  
72 19.2 23.0 34.6#





#29

Tetrahydrofuran

Concen: 0.56 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampled :

SP-PIT-8

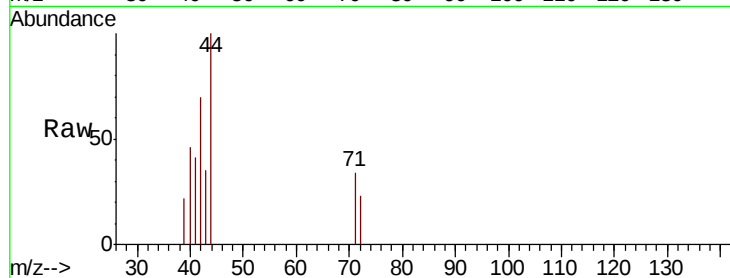
Tot Ion: 42 Resp: 832

Ion Ratio Lower Upper

42 100

72 31.4 37.4 56.0#

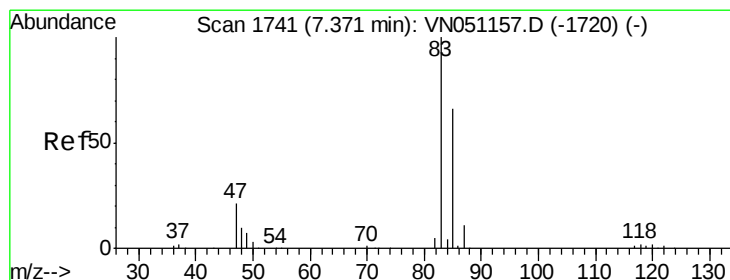
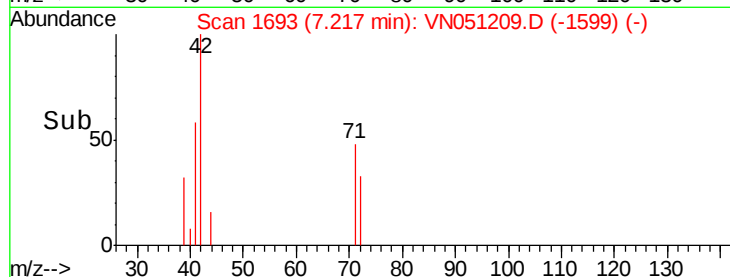
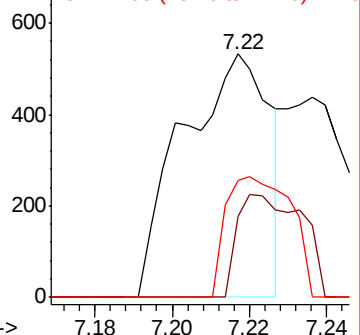
71 37.1 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.39 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051209.D

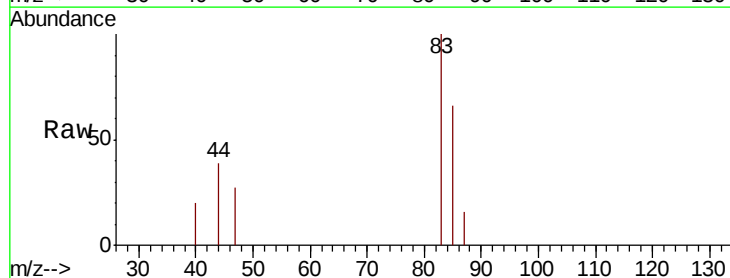
Acq: 14 Sep 2018 23:47

Tgt Ion: 83 Resp: 4288

Ion Ratio Lower Upper

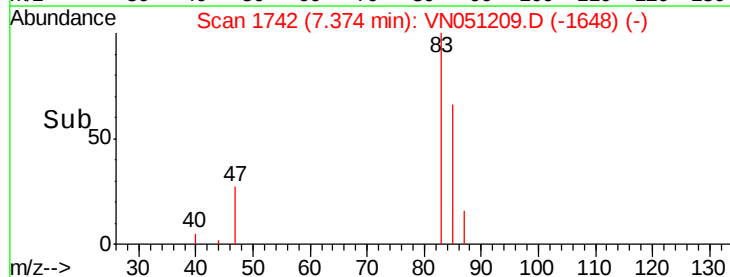
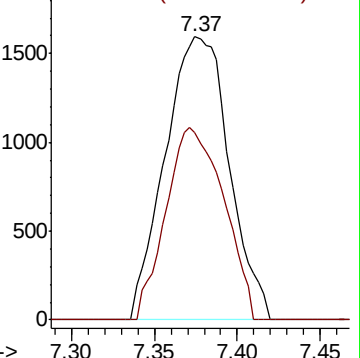
83 100

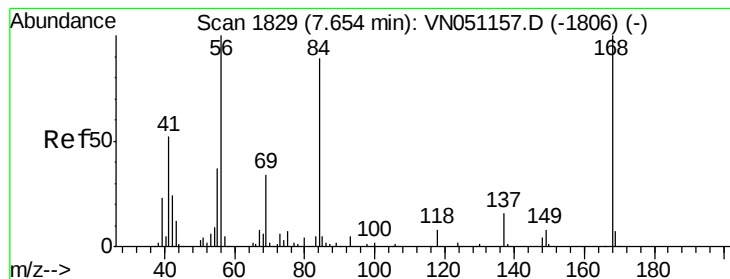
85 66.0 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 0.62 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampleId :

SP-PIT-8

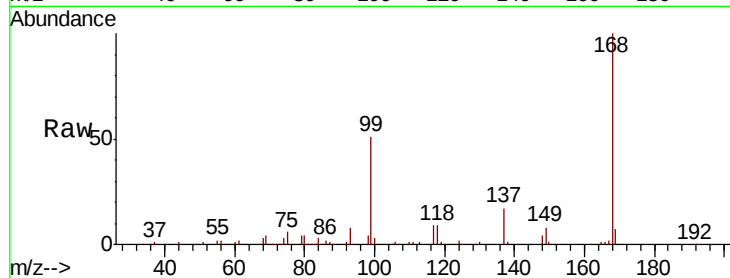
Tot Ion: 56 Resp: 8300

Ion Ratio Lower Upper

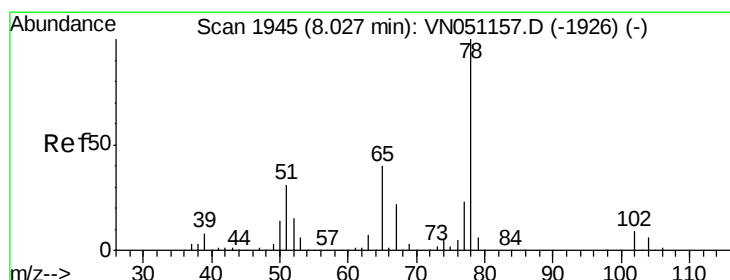
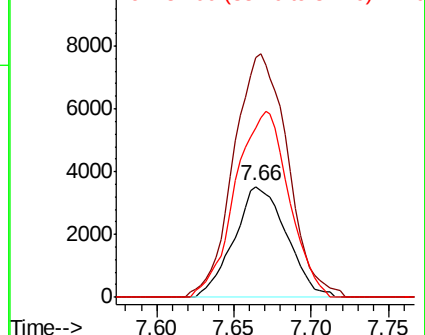
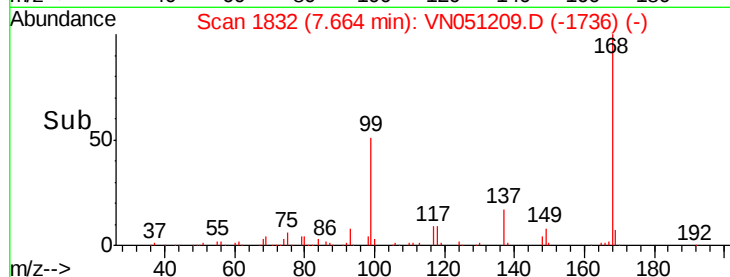
56 100

69 212.3 26.3 39.5#

84 153.1 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN051209.D (-1736) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.68 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051209.D

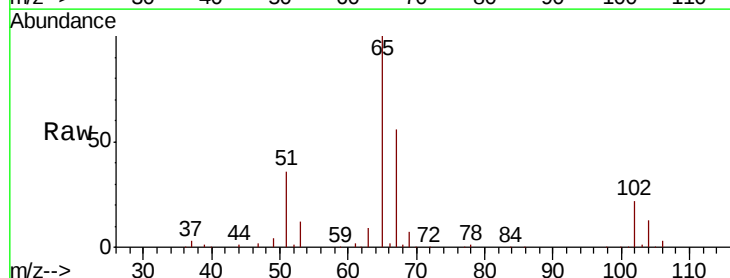
Acq: 14 Sep 2018 23:47

Tgt Ion: 65 Resp: 329009

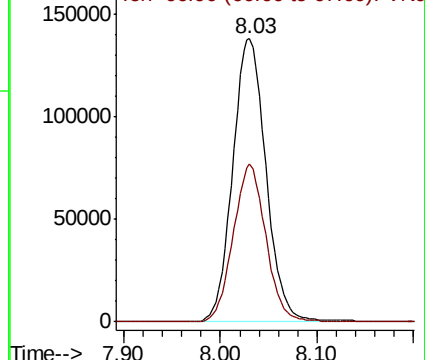
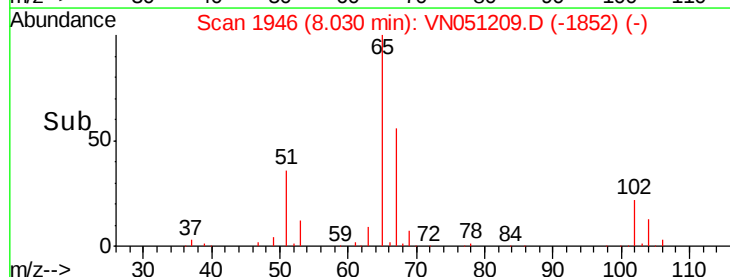
Ion Ratio Lower Upper

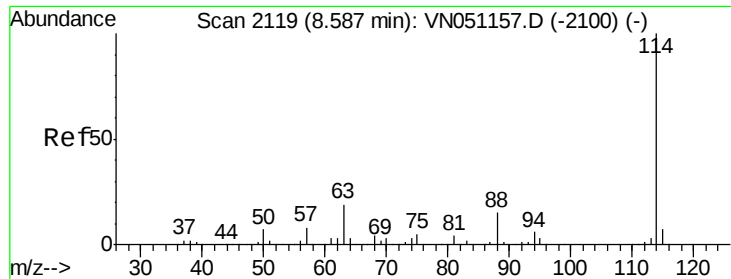
65 100

67 54.7 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN051209.D (-1852) (-)

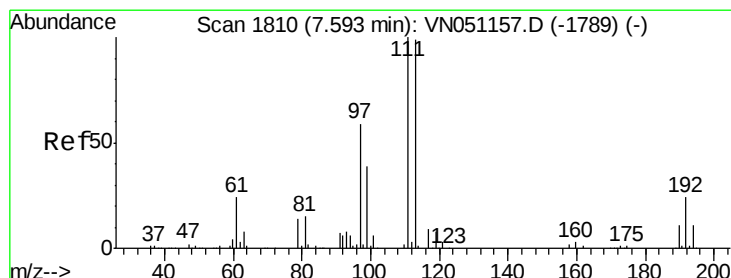
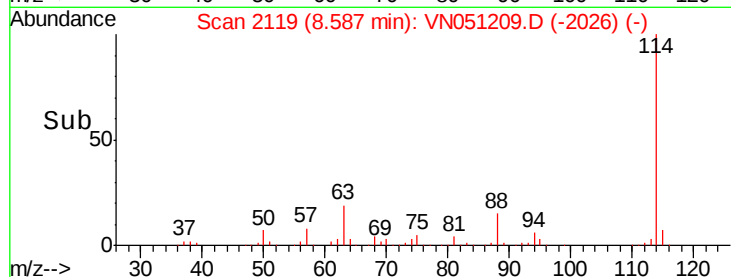
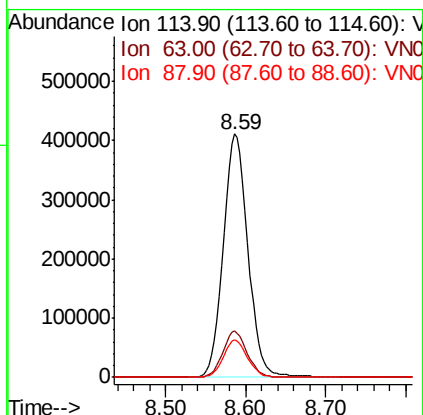
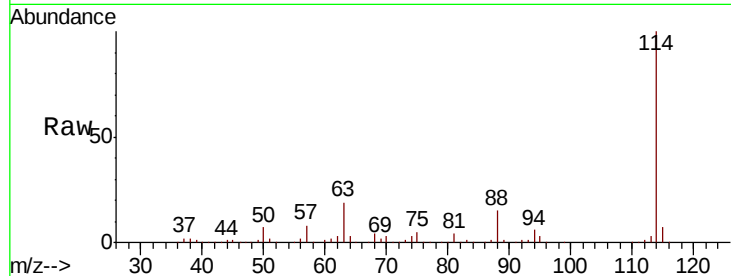




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051209.D  
 Acq: 14 Sep 2018 23:47

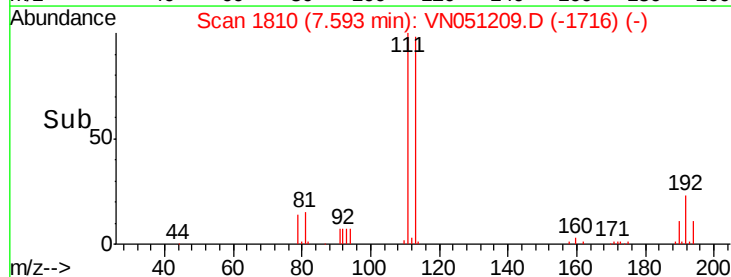
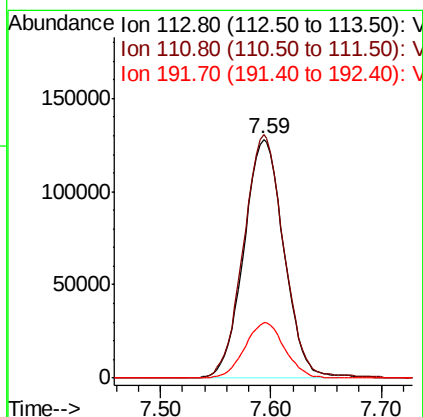
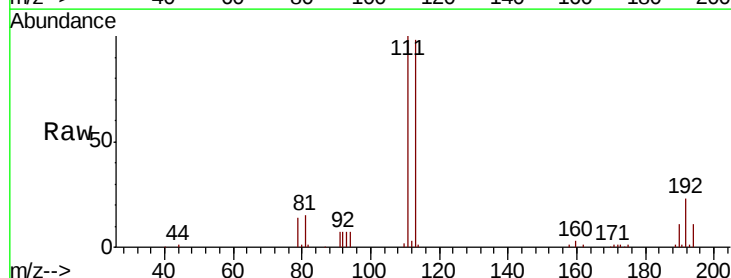
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 SP-PIT-8

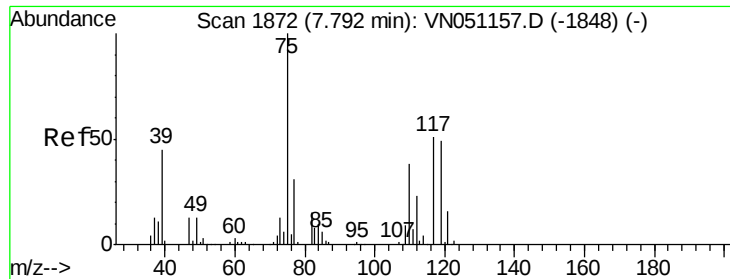
|             |       |          |
|-------------|-------|----------|
| Tot Ion:114 | Resp: | 871082   |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 18.9  | 0.0 37.8 |
| 88          | 15.2  | 0.0 30.8 |



#35  
 Dibromofluoromethane  
 Concen: 49.05 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051209.D  
 Acq: 14 Sep 2018 23:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 321052     |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 103.1 | 83.0 124.6 |
| 192         | 23.2  | 18.7 28.1  |





#36

1,1-Dichloropropene

Concen: 3.62 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampled :

SP-PIT-8

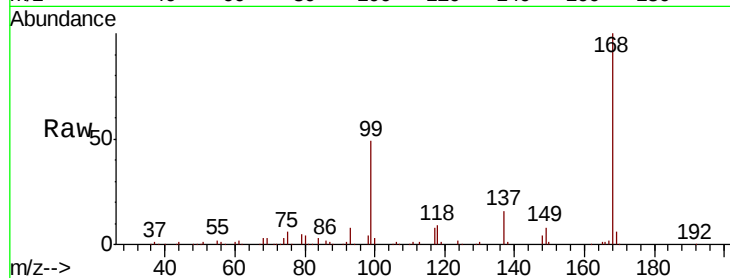
Tot Ion: 75 Resp: 34632

Ion Ratio Lower Upper

75 100

110 8.8 18.6 55.8#

77 0.0 25.2 37.8#

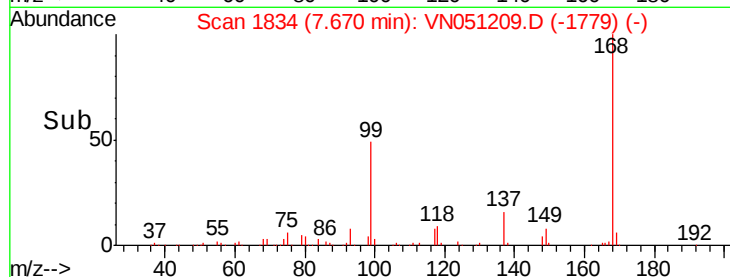


Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-1848) (-)

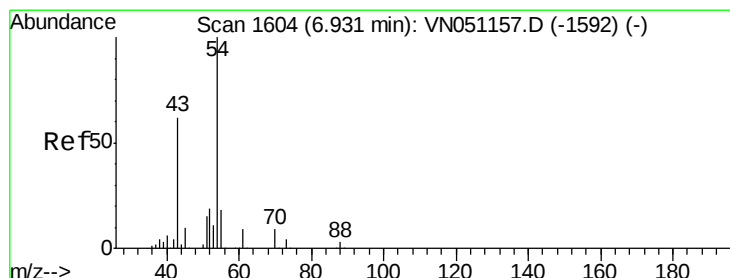
Ion 109.90 (109.60 to 110.60): VN051157.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN051157.D (-1848) (-)

Time-->



Time-->



#37

Ethyl Acetate

Concen: 1.53 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. -0.08 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

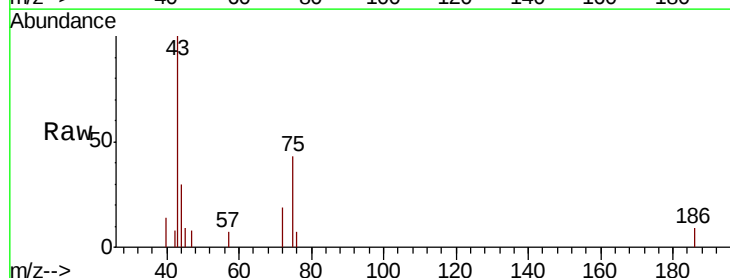
Tgt Ion: 43 Resp: 8464

Ion Ratio Lower Upper

43 100

61 0.0 12.4 18.6#

70 0.0 9.3 13.9#

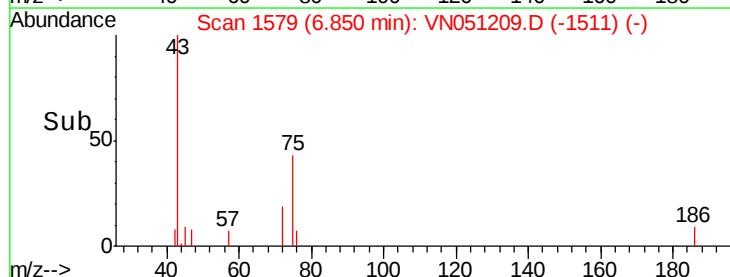


Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1592) (-)

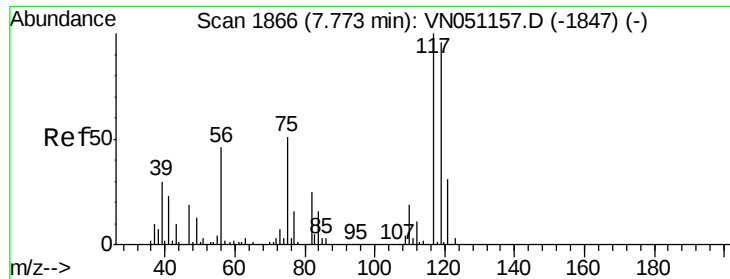
Ion 60.90 (60.60 to 61.60): VN051157.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051157.D (-1592) (-)

Time-->



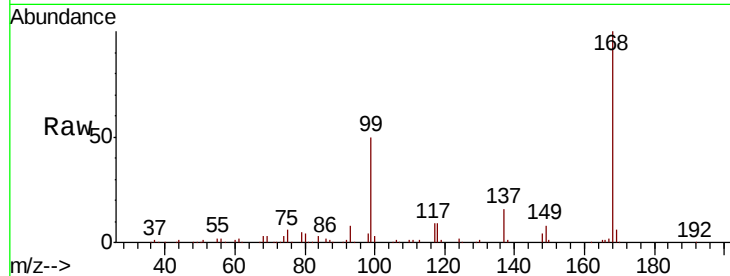
Time-->



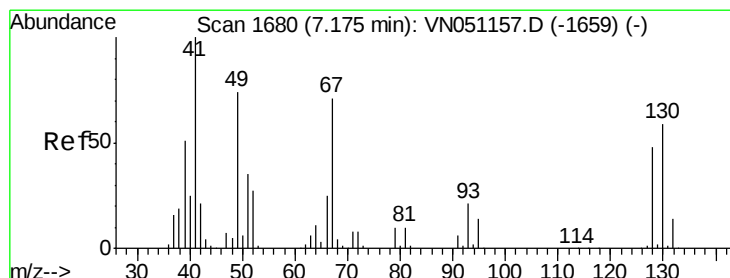
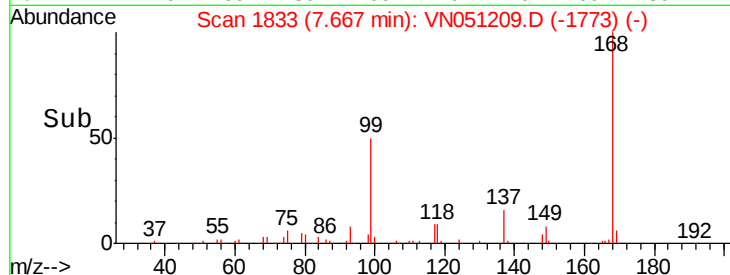
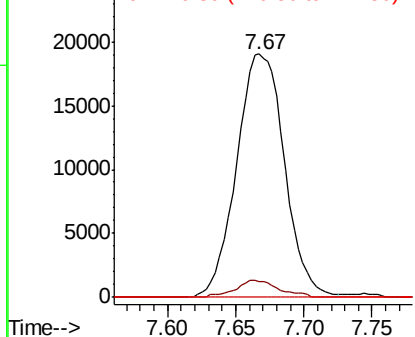
#38  
Carbon Tetrachloride  
Concen: 4.93 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. -0.11 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

Instrument :  
MSVOA\_N  
ClientSampled :  
SP-PIT-8

Tot Ion:117 Resp: 46371  
Ion Ratio Lower Upper  
117 100  
119 6.7 76.8 115.2#  
121 0.0 24.6 36.8#

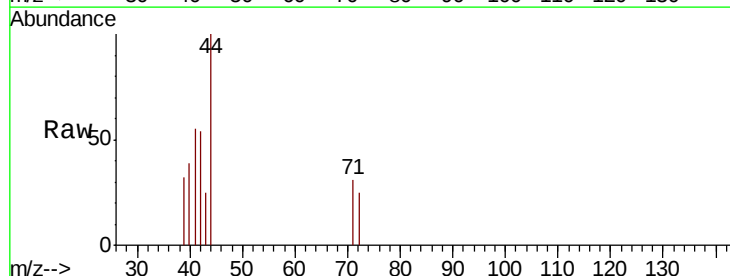


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

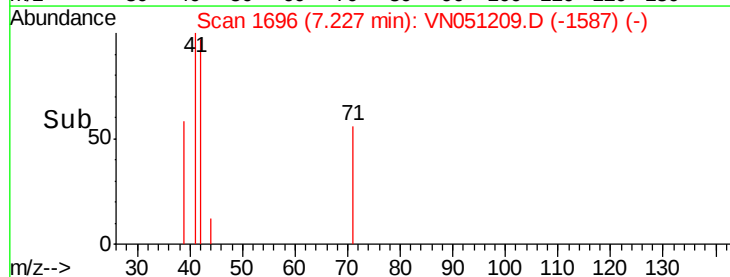
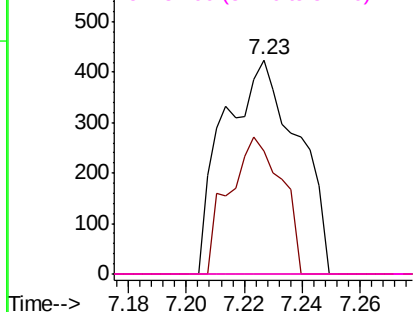


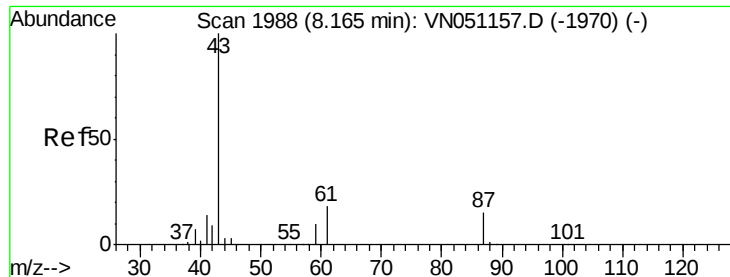
#41  
Methacrylonitrile  
Concen: 0.26 ug/l  
RT: 7.23 min Scan# 1696  
Delta R.T. 0.05 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

Tgt Ion: 41 Resp: 748  
Ion Ratio Lower Upper  
41 100  
39 46.3 51.3 76.9#  
67 0.0 78.5 117.7#  
52 0.0 29.0 43.6#



Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 27.73 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampled :

SP-PIT-8

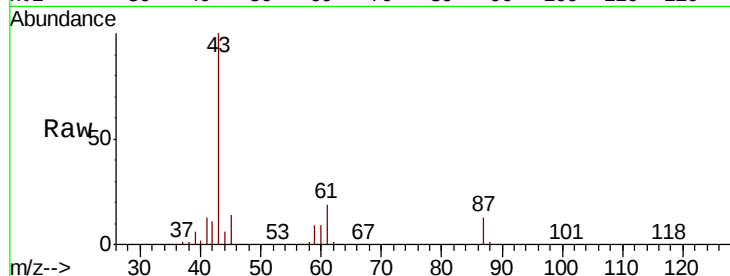
Tot Ion: 43 Resp: 271021

Ion Ratio Lower Upper

43 100

61 16.8 25.0 37.6#

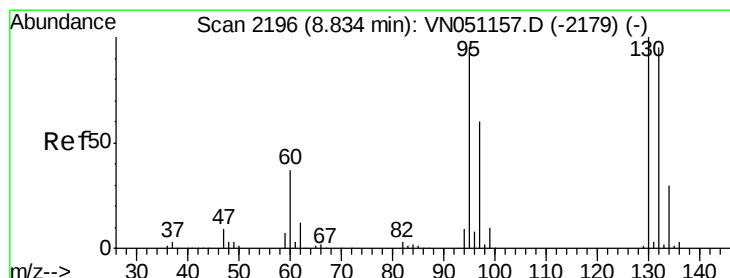
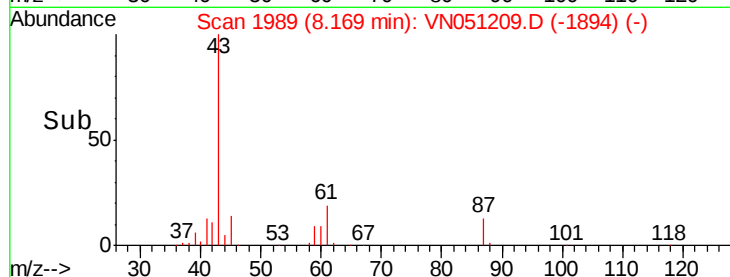
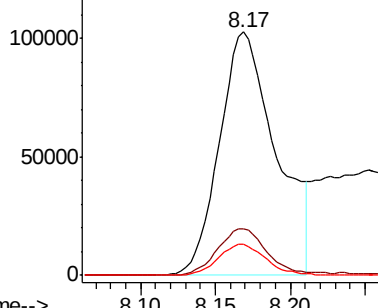
87 10.7 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051157.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051157.D (-1970) (-)



#44

Trichloroethene

Concen: 0.45 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051209.D

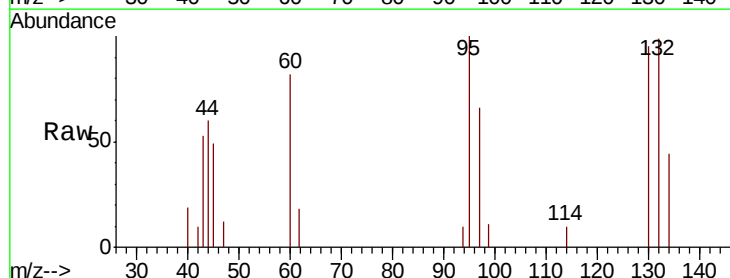
Acq: 14 Sep 2018 23:47

Tgt Ion: 130 Resp: 3557

Ion Ratio Lower Upper

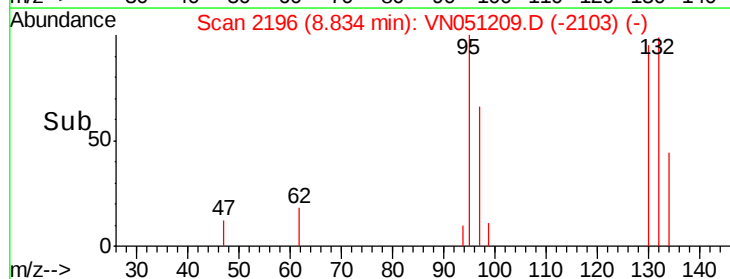
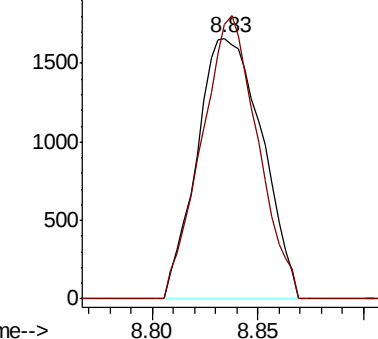
130 100

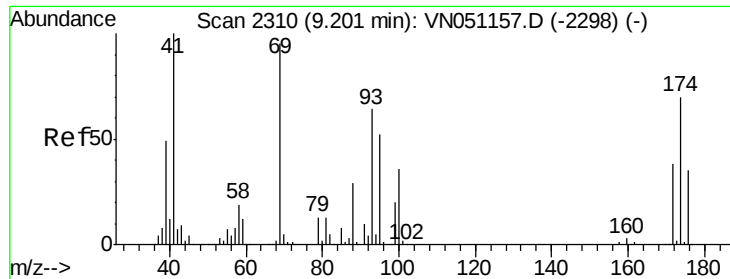
95 105.2 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): VN051157.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051157.D (-2179) (-)

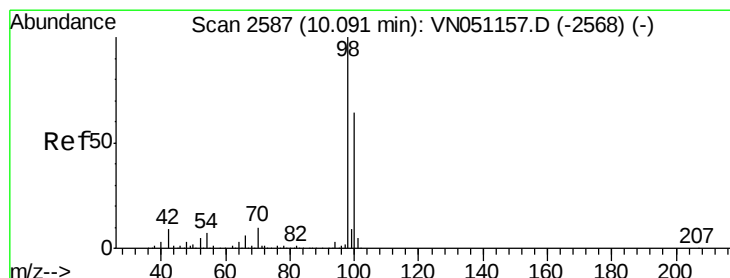
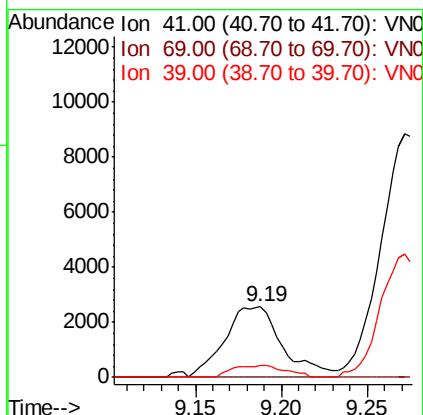
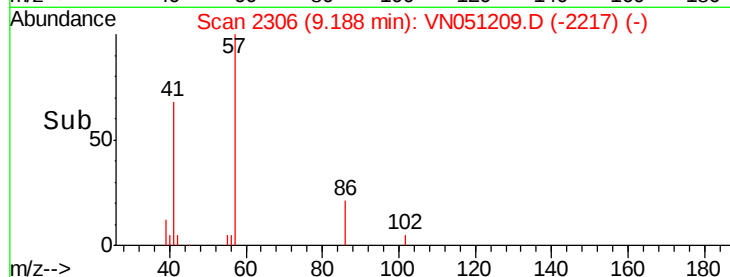
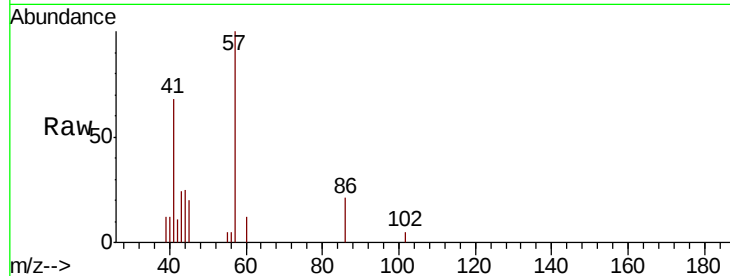




#48  
Methvl methacrylate  
Concen: 1.27 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. -0.01 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

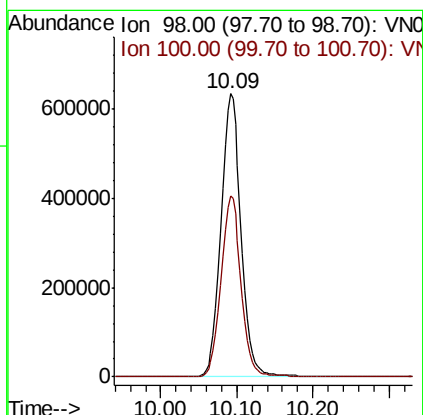
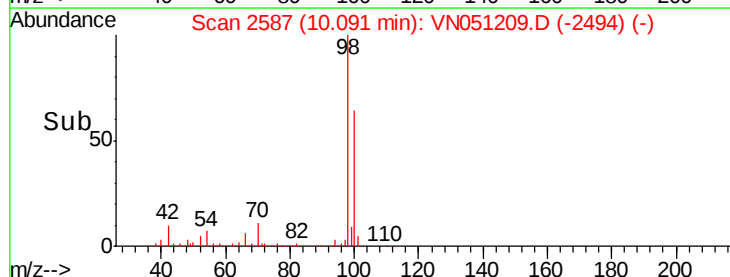
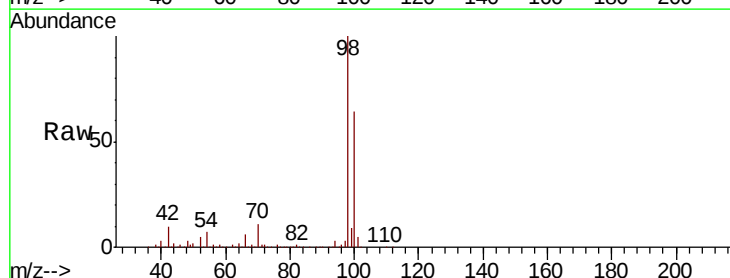
Instrument :  
MSVOA\_N  
ClientSampled :  
SP-PIT-8

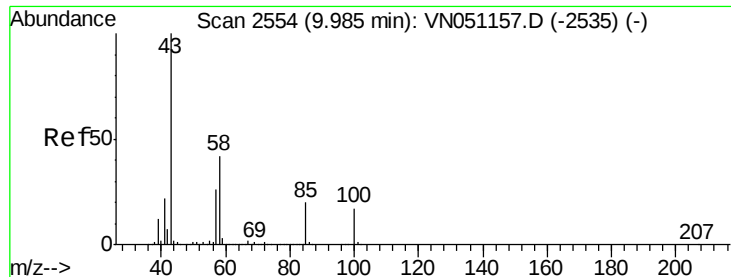
Tot Ion: 41 Resp: 6068  
Ion Ratio Lower Upper  
41 100  
69 0.0 77.7 116.5#  
39 7.4 41.6 62.4#



#50  
Toluene-d8  
Concen: 46.87 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

Tgt Ion: 98 Resp: 1164148  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.0 78.0

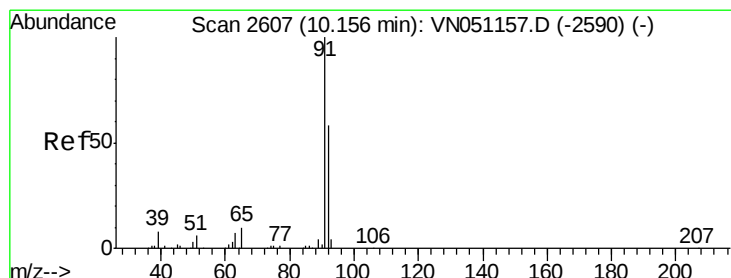
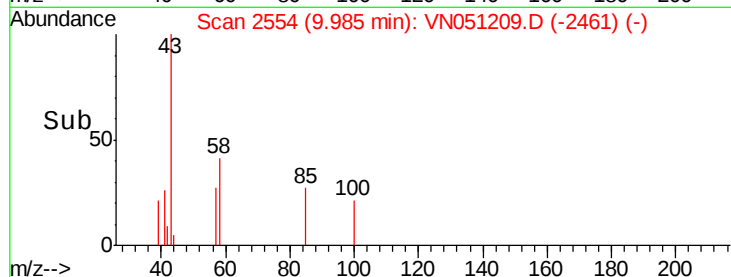
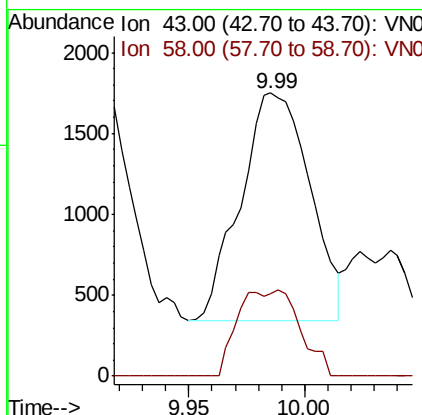
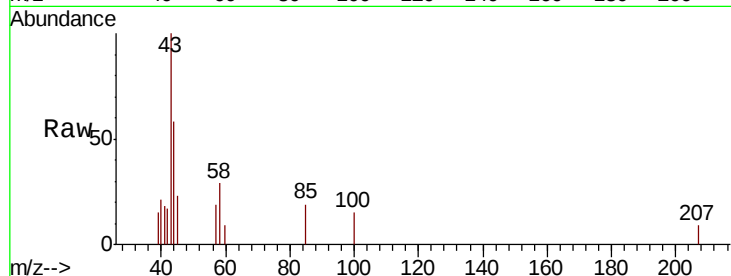




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.54 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. -0.00 min  
 Lab File: VN051209.D  
 Acq: 14 Sep 2018 23:47

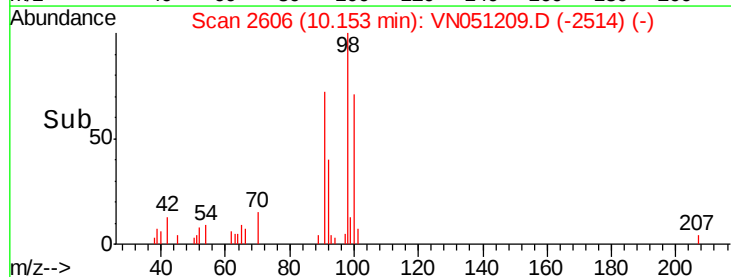
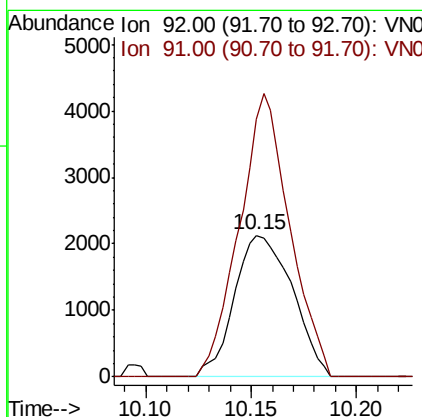
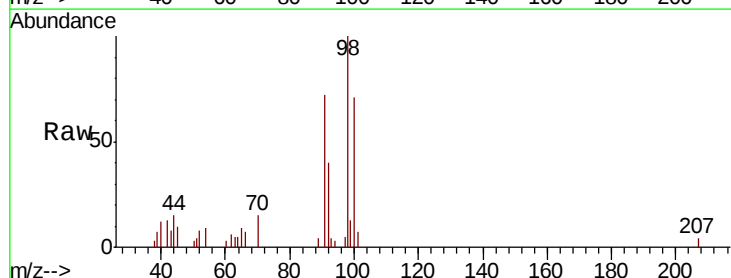
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 SP-PIT-8

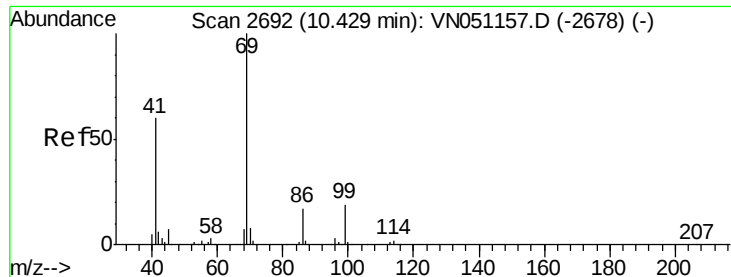
Tot Ion: 43 Resp: 2945  
 Ion Ratio Lower Upper  
 43 100  
 58 15.8 33.5 50.3#



#52  
 Toluene  
 Concen: 0.23 ug/l  
 RT: 10.15 min Scan# 2606  
 Delta R.T. -0.00 min  
 Lab File: VN051209.D  
 Acq: 14 Sep 2018 23:47

Tgt Ion: 92 Resp: 4057  
 Ion Ratio Lower Upper  
 92 100  
 91 174.2 139.5 209.3





#56

Ethyl methacrylate

Concen: 2.63 ug/l

RT: 10.23 min Scan# 2631

Delta R.T. -0.20 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampled :

SP-PIT-8

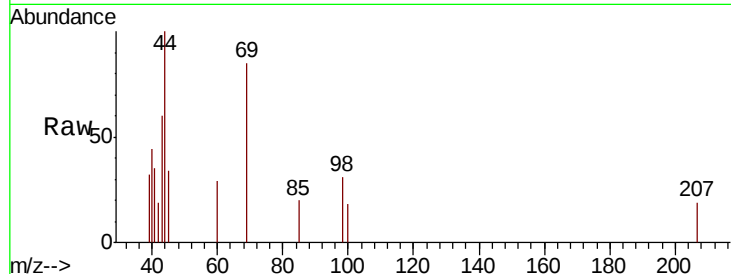
Tot Ion: 69 Resp: 1557

Ion Ratio Lower Upper

69 100

41 0.0 47.8 71.8#

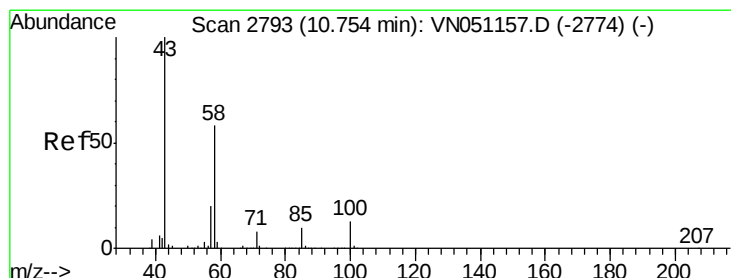
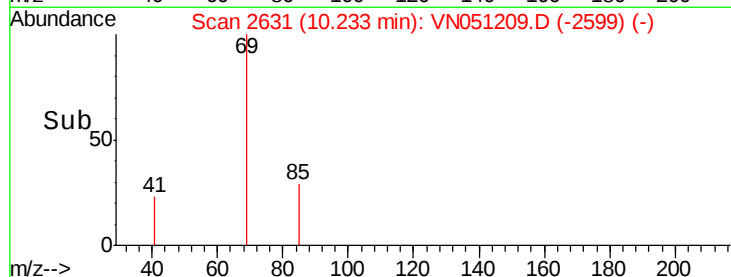
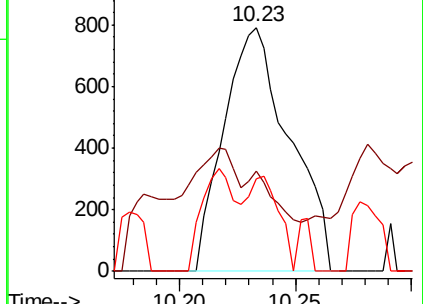
39 18.2 23.0 34.4#



Abundance Ion 69.00 (68.70 to 69.70): VN051157.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN051157.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN051157.D (-2678) (-)



#59

2-Hexanone

Concen: 3.15 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051209.D

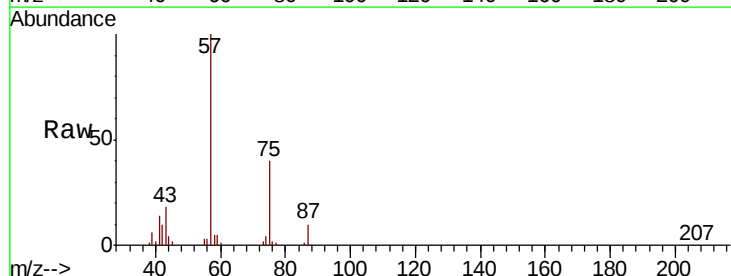
Acq: 14 Sep 2018 23:47

Tgt Ion: 43 Resp: 11536

Ion Ratio Lower Upper

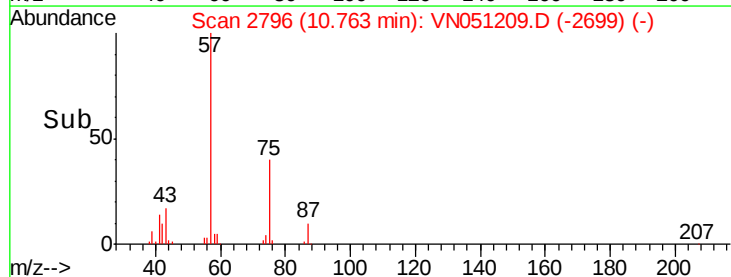
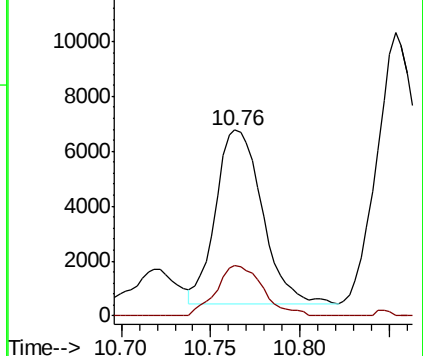
43 100

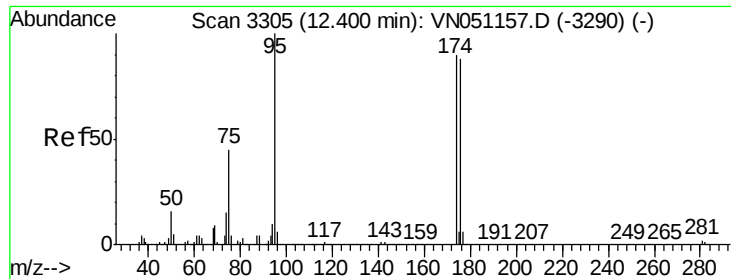
58 28.8 29.3 88.0#



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-2774) (-)

Ion 58.00 (57.70 to 58.70): VN051157.D (-2774) (-)





#62

4-Bromofluorobenzene

Concen: 36.63 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampleId :

SP-PIT-8

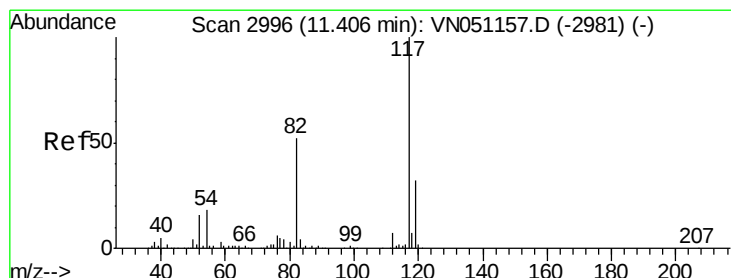
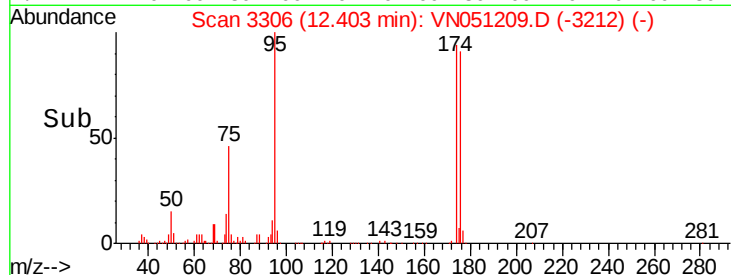
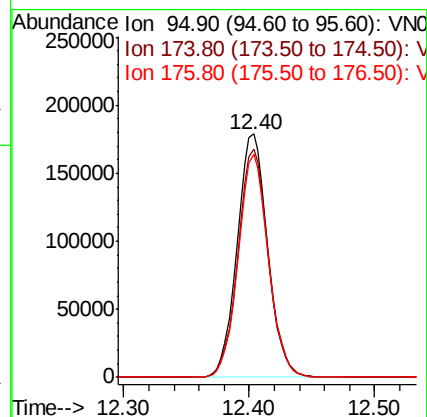
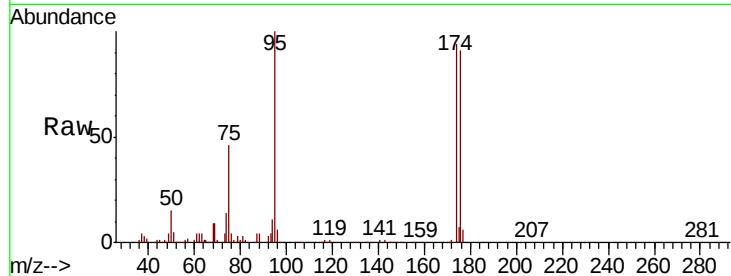
Tot Ion: 95 Resp: 300993

Ion Ratio Lower Upper

95 100

174 93.9 0.0 184.8

176 90.4 0.0 178.6



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

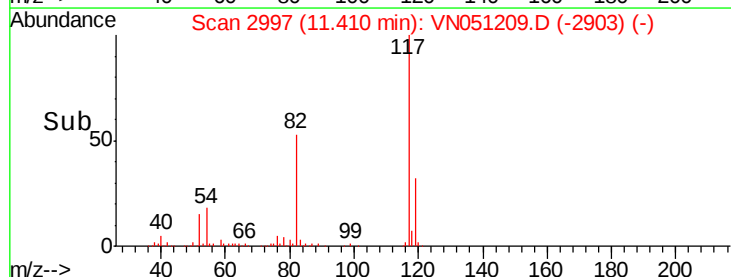
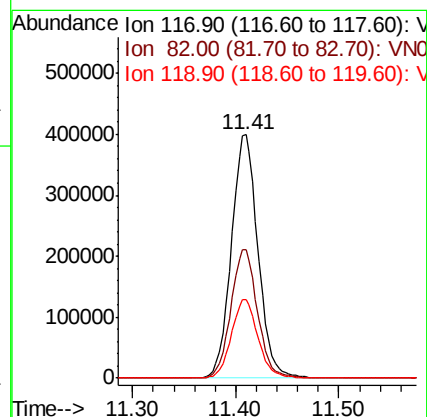
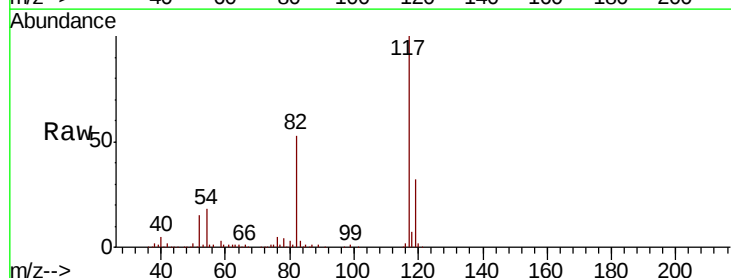
Tgt Ion: 117 Resp: 716388

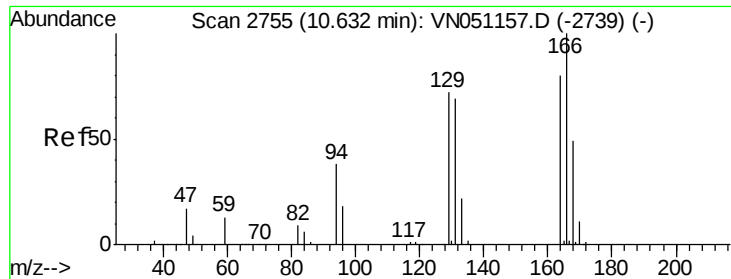
Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.6

119 32.3 26.2 39.2

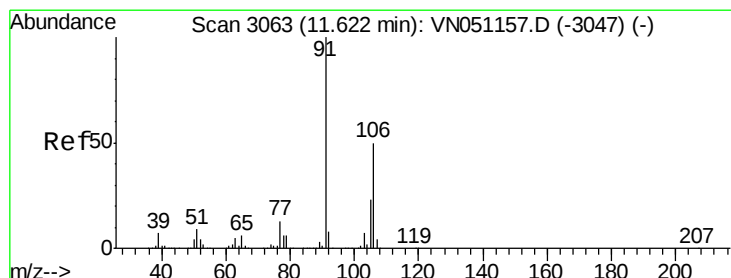
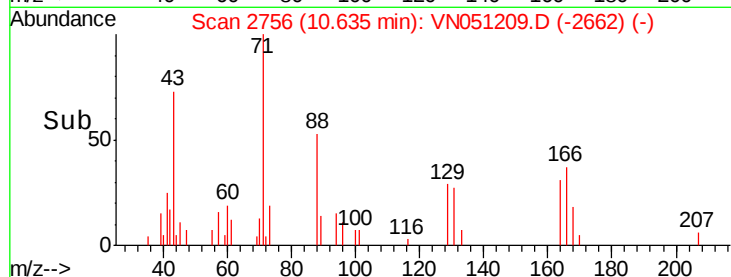
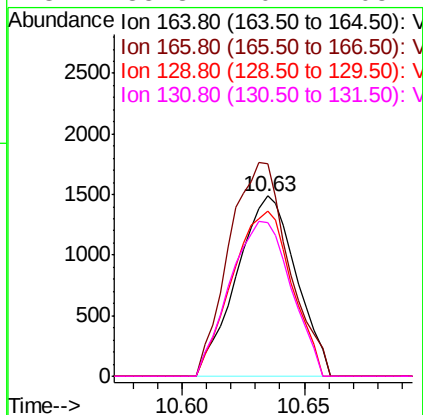
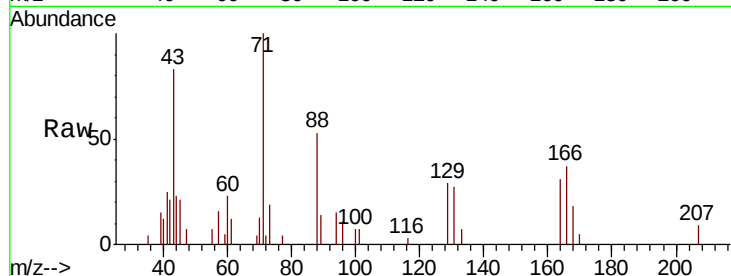




#64  
Tetrachloroethene  
Concen: 0.39 ug/l  
RT: 10.63 min Scan# 2756  
Delta R.T. 0.00 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

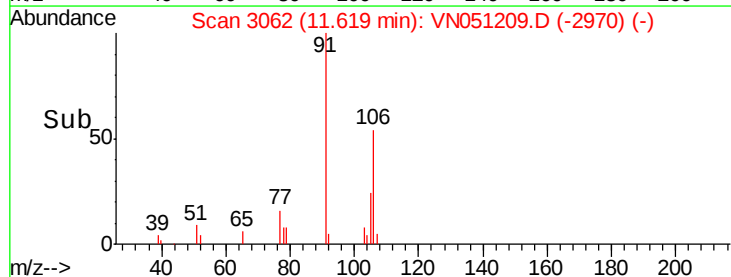
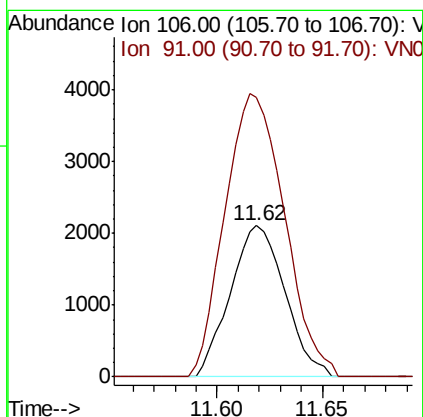
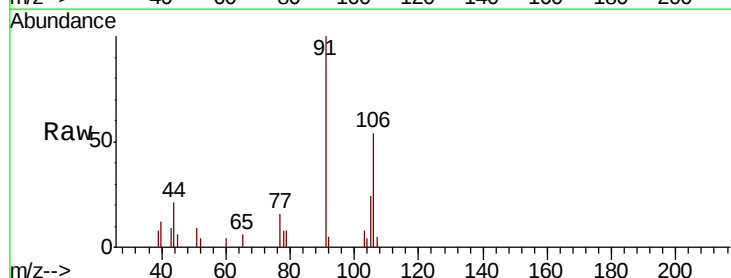
Instrument :  
MSVOA\_N  
ClientSampled :  
SP-PIT-8

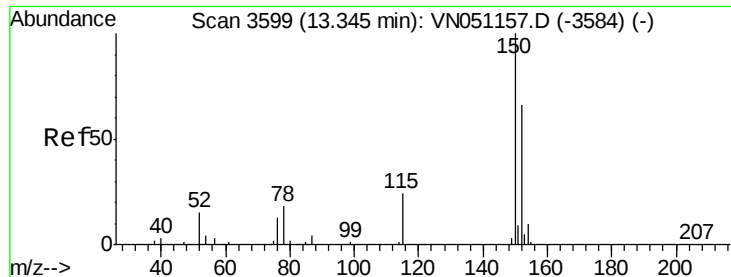
Tot Ion:164 Resp: 2522  
Ion Ratio Lower Upper  
164 100  
166 118.1 101.3 151.9  
129 91.8 72.2 108.2  
131 85.3 70.2 105.2



#68  
m/p-Xylenes  
Concen: 0.34 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN051209.D  
Acq: 14 Sep 2018 23:47

Tgt Ion:106 Resp: 3807  
Ion Ratio Lower Upper  
106 100  
91 203.0 159.8 239.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampleId :

SP-PIT-8

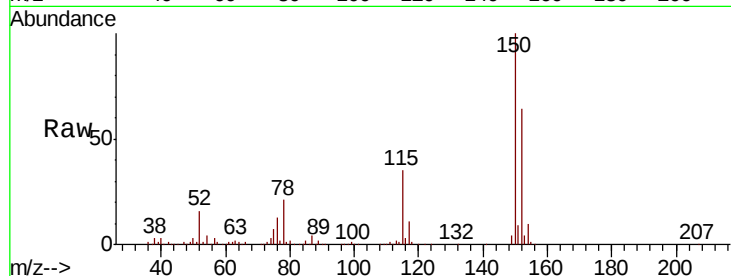
Tot Ion:152 Resp: 229925

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.7

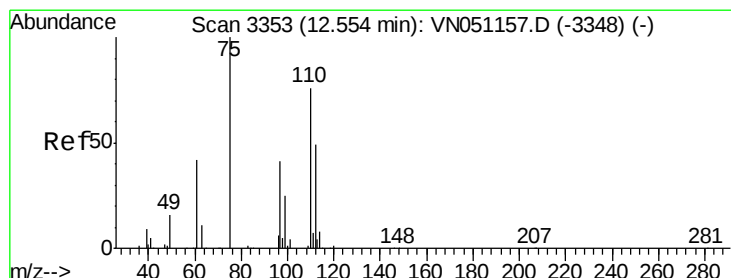
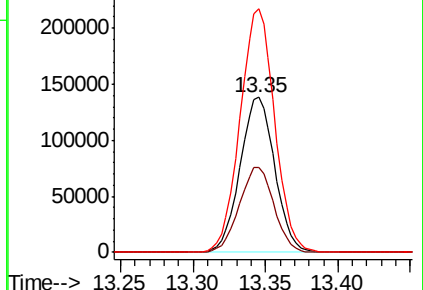
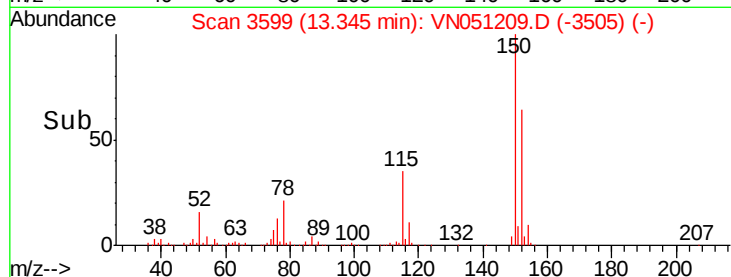
150 156.6 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 38.56 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051209.D

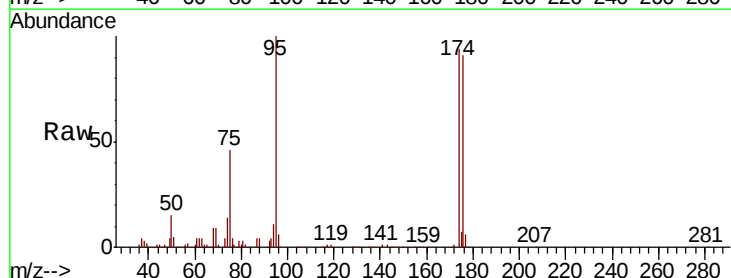
Acq: 14 Sep 2018 23:47

Tgt Ion: 75 Resp: 138675

Ion Ratio Lower Upper

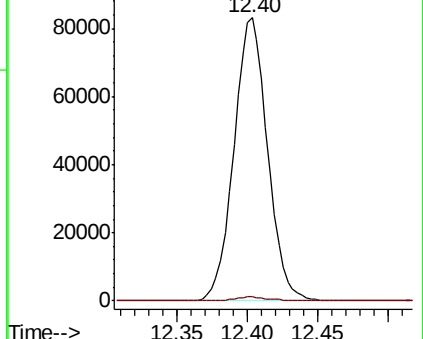
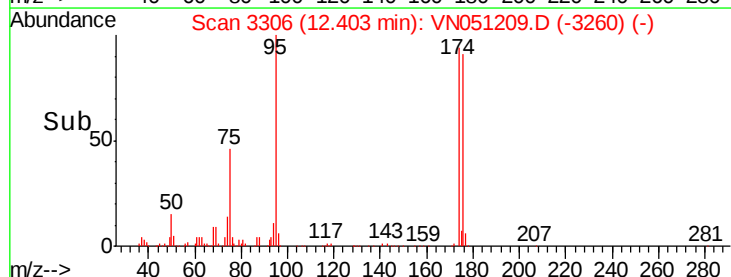
75 100

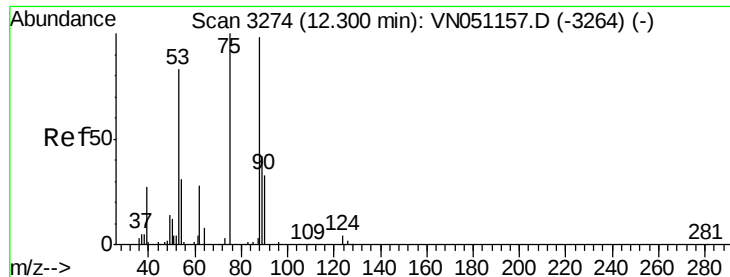
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.54 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampled :

SP-PIT-8

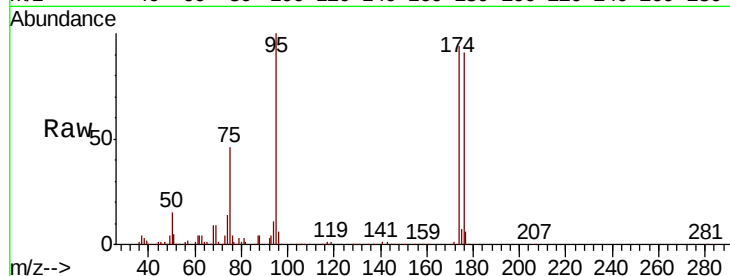
Tot Ion: 75 Resp: 138675

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

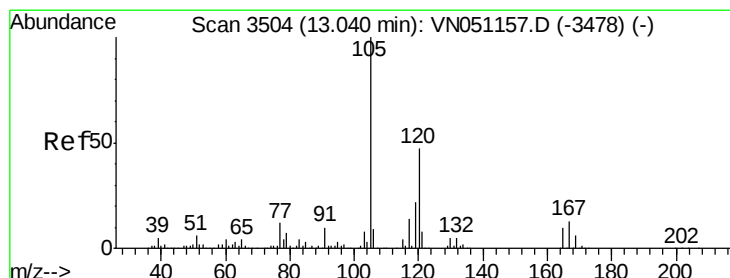
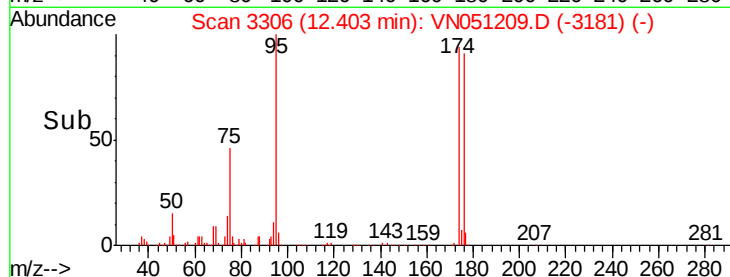
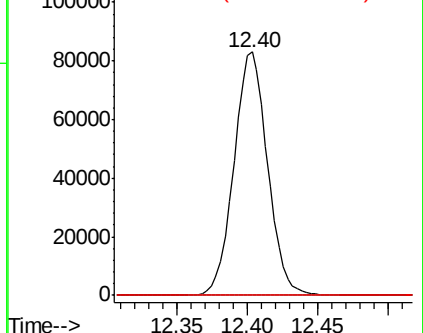
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN051157.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN051157.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.22 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051209.D

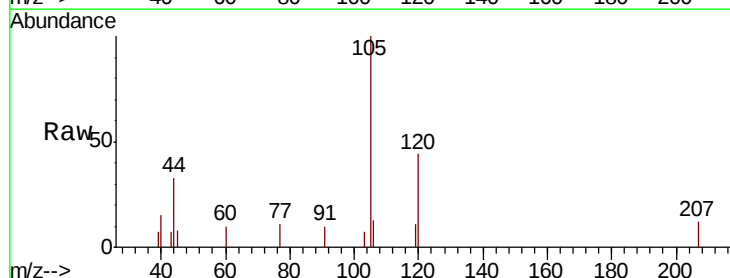
Acq: 14 Sep 2018 23:47

Tgt Ion: 105 Resp: 3408

Ion Ratio Lower Upper

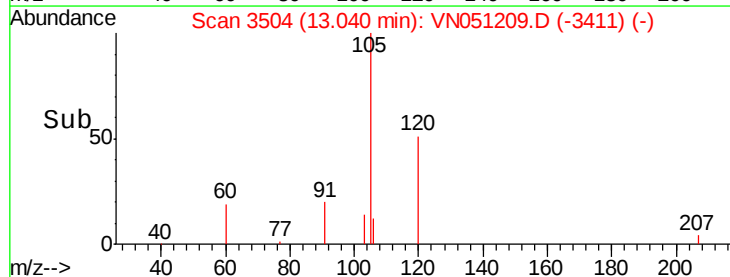
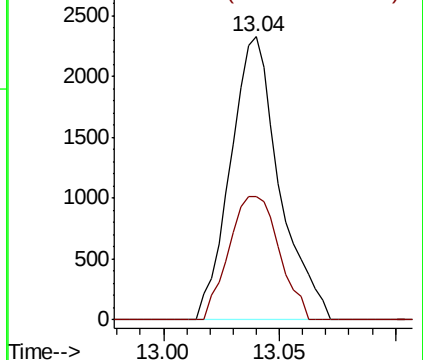
105 100

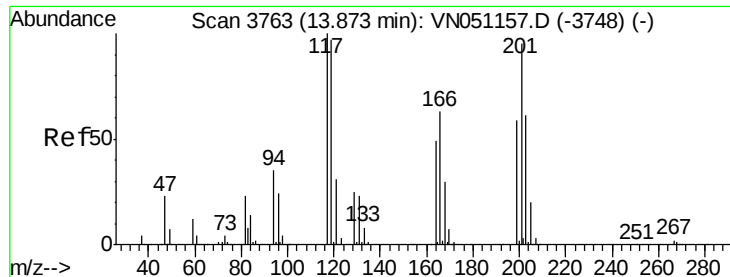
120 44.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN051157.D (-3478) (-)

Ion 120.00 (119.70 to 120.70): VN051157.D (-3478) (-)





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3766

Delta R.T. 0.01 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

Instrument :

MSVOA\_N

ClientSampled :

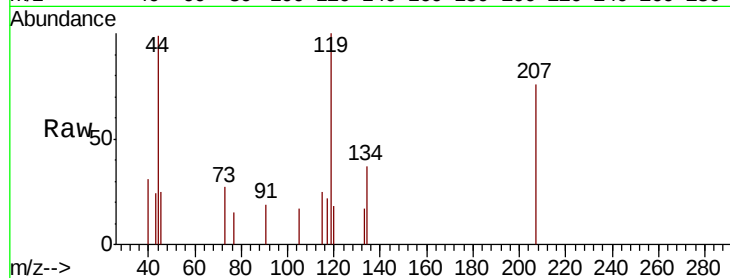
SP-PIT-8

Tot Ion:117 Resp: 155

Ion Ratio Lower Upper

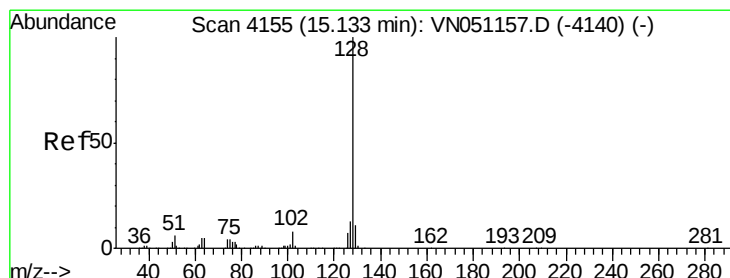
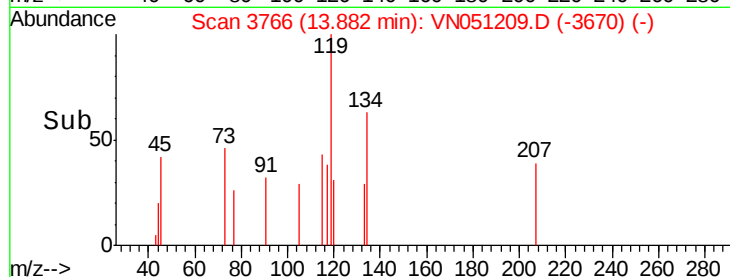
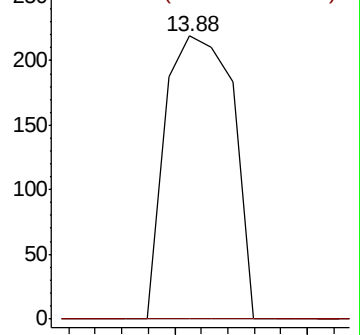
117 100

201 0.0 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 17.21 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051209.D

Acq: 14 Sep 2018 23:47

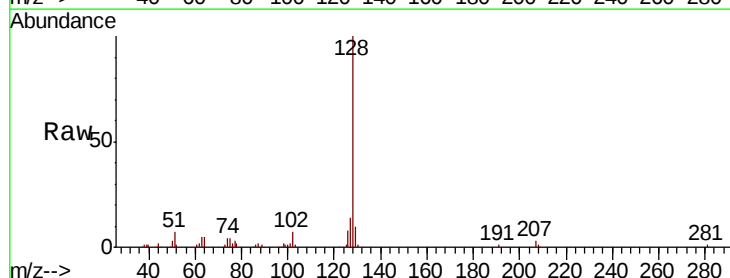
Tgt Ion:128 Resp: 114860

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

129 9.9 8.6 12.8



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

