

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\  
 Data File : VN050804.D  
 Acq On : 22 Aug 2018 1:04  
 Operator : MD\SY  
 Sample : PB112227ZHE#10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112227ZHE#10

Quant Time: Aug 22 06:46:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 05:38:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 612409   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1021539  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 854309   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 253740   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 408058   | 55.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.70% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 387148   | 47.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.28%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1388741  | 45.71 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.42%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 350007   | 34.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 69.34%  |      |

## Target Compounds

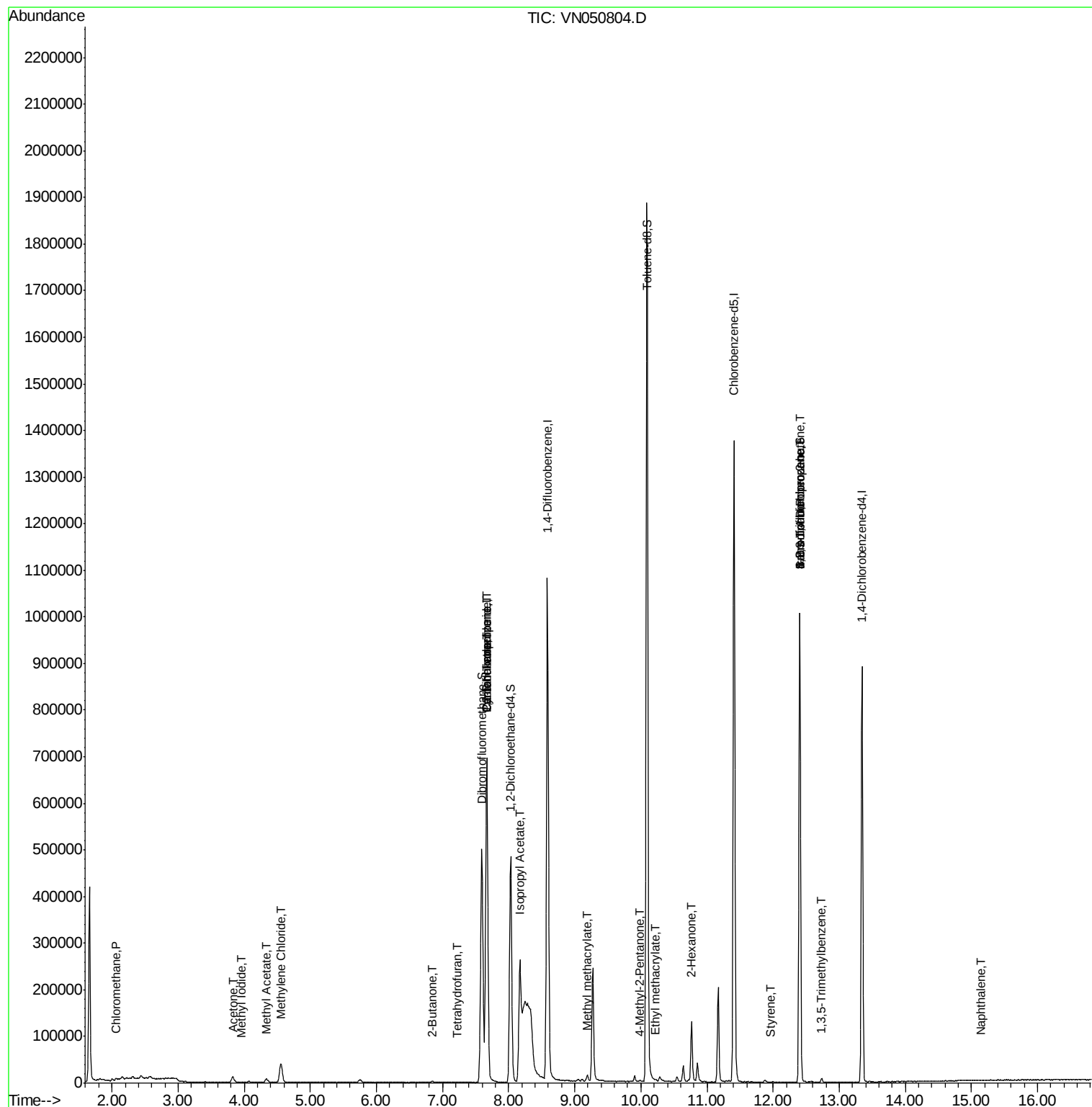
|                                |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 3) Chloromethane               | 2.06  | 50  | 2876   | 0.285     | ug/l   | 94  |
| 5) Bromomethane                | 2.57  | 94  | 3127   | Below Cal | #      | 80  |
| 10) Methyl Iodide              | 3.96  | 142 | 1014   | 6.472     | ug/l # | 51  |
| 16) Acetone                    | 3.82  | 43  | 20988  | 5.102     | ug/l   | 96  |
| 18) Methyl Acetate             | 4.34  | 43  | 15836  | 2.275     | ug/l # | 86  |
| 20) Methylene Chloride         | 4.56  | 84  | 32372  | 3.896     | ug/l   | 97  |
| 25) 2-Butanone                 | 6.84  | 43  | 1062   | 0.357     | ug/l # | 47  |
| 29) Tetrahydrofuran            | 7.23  | 42  | 617    | 0.362     | ug/l # | 33  |
| 31) Cyclohexane                | 7.67  | 56  | 10730  | 1.314     | ug/l # | 1   |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 42141  | 3.496     | ug/l # | 49  |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 54012  | 4.433     | ug/l # | 17  |
| 43) Isopropyl Acetate          | 8.17  | 43  | 326882 | 27.455    | ug/l # | 89  |
| 48) Methyl methacrylate        | 9.19  | 41  | 6764   | 1.115     | ug/l # | 22  |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 1901   | 0.268     | ug/l   | 98  |
| 56) Ethyl methacrylate         | 10.23 | 69  | 2199   | 2.551     | ug/l # | 78  |
| 59) 2-Hexanone                 | 10.77 | 43  | 17672  | 3.736     | ug/l # | 57  |
| 70) Styrene                    | 11.97 | 104 | 327    | 1.284     | ug/l # | 26  |
| 71) Bromoform                  | 12.40 | 173 | 1322   | 0.235     | ug/l # | 1   |
| 75) 1,1,2,2-Tetrachloroethane  | 12.40 | 83  | 61     | Below Cal | #      | 1   |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 165390 | 37.214    | ug/l # | 100 |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 3507   | 0.207     | ug/l   | 86  |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 165390 | 125.806   | ug/l # | 15  |
| 95) Naphthalene                | 15.13 | 128 | 110    | 5.410     | ug/l # | 69  |

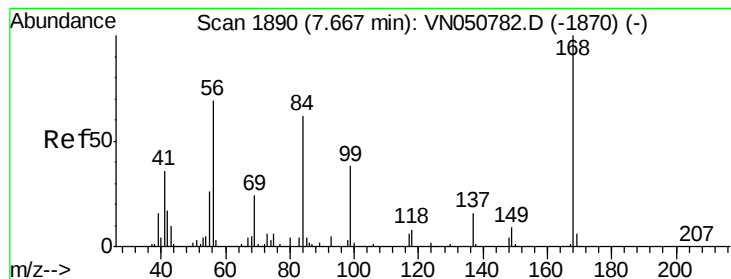
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082118\  
Data File : VN050804.D  
Acq On : 22 Aug 2018 1:04  
Operator : MD\SY  
Sample : PB112227ZHE#10  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112227ZHE#10

Quant Time: Aug 22 06:46:13 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N082118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 22 05:38:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

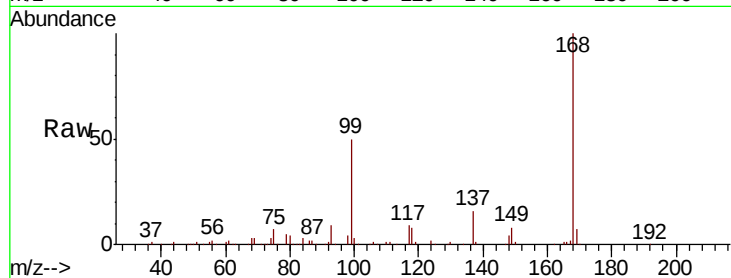
PB112227ZHE#10

Tot Ion:168 Resp: 612409

Ion Ratio Lower Upper

168 100

99 50.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

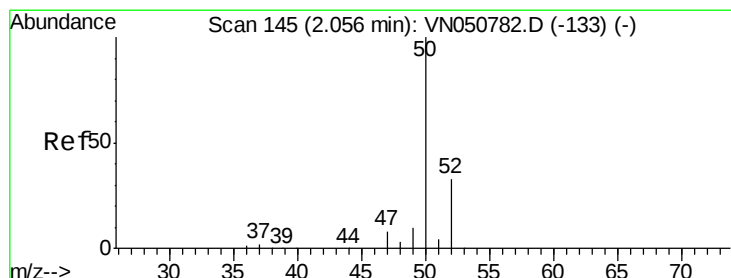
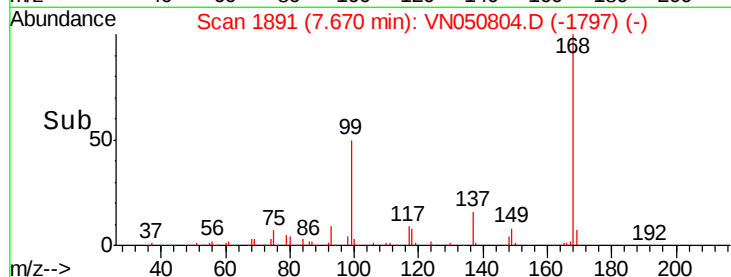
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.285 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050804.D

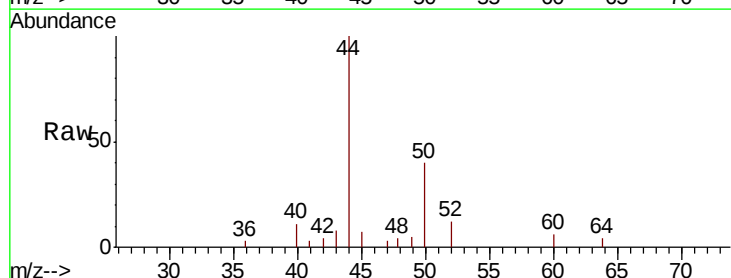
Acq: 22 Aug 2018 1:04

Tgt Ion: 50 Resp: 2876

Ion Ratio Lower Upper

50 100

52 29.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

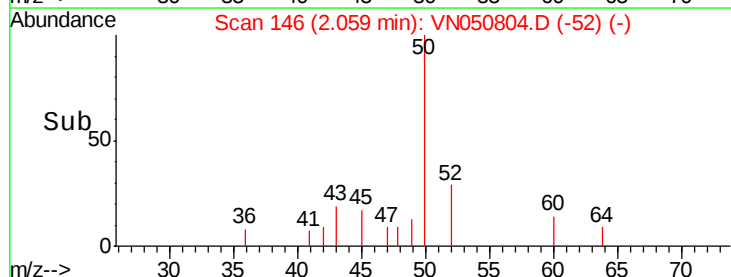
1500

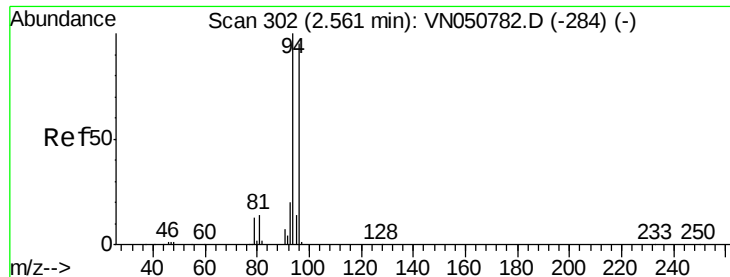
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

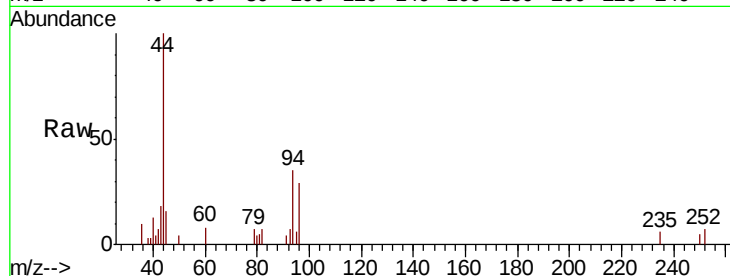
PB112227ZHE#10

Tot Ion: 94 Resp: 3127

Ion Ratio Lower Upper

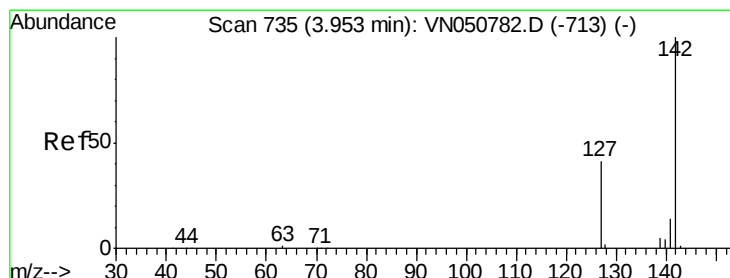
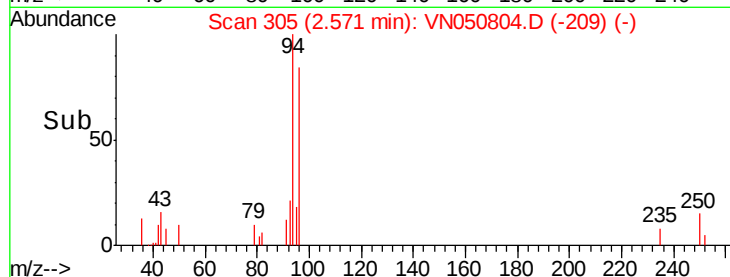
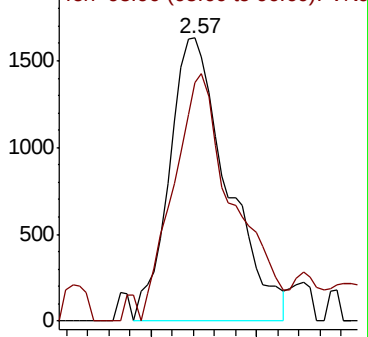
94 100

96 75.3 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN050782.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050804.D (-209) (-)



#10

Methyl Iodide

Concen: 6.472 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

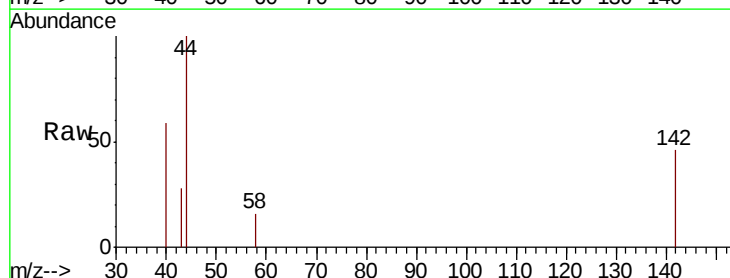
Tgt Ion: 142 Resp: 1014

Ion Ratio Lower Upper

142 100

127 6.2 31.7 47.5#

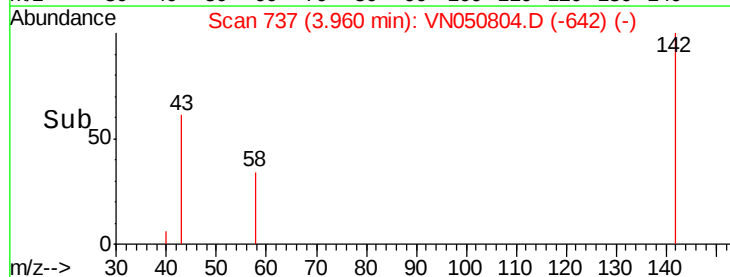
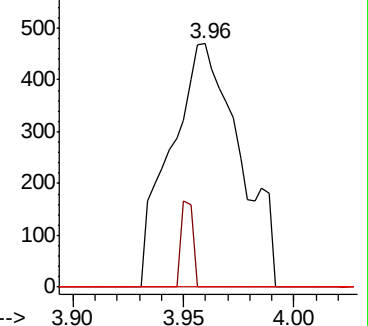
141 0.0 11.4 17.0#

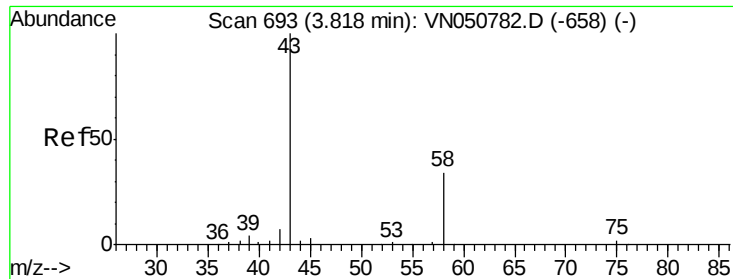


Abundance Ion 141.80 (141.50 to 142.50): VN050782.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050804.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050804.D (-642) (-)





#16

Acetone

Concen: 5.102 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

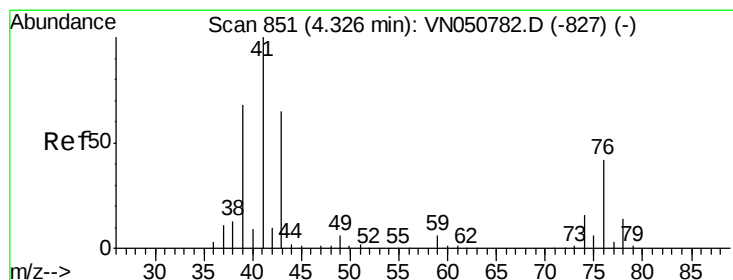
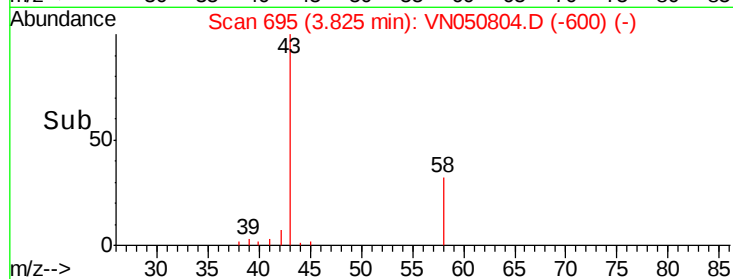
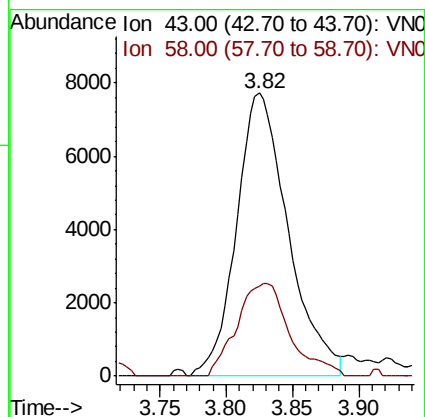
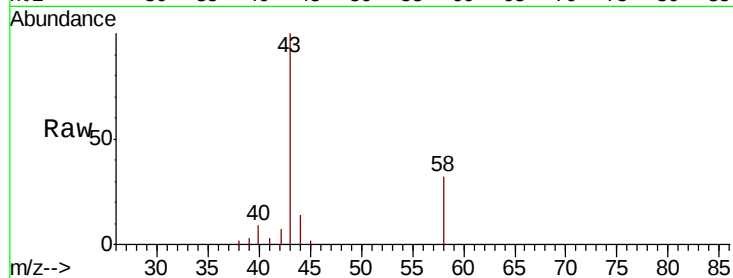
PB112227ZHE#10

Tot Ion: 43 Resp: 20988

Ion Ratio Lower Upper

43 100

58 31.6 27.2 40.8



#18

Methyl Acetate

Concen: 2.275 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050804.D

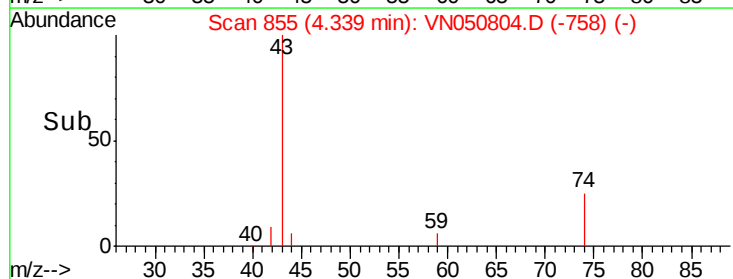
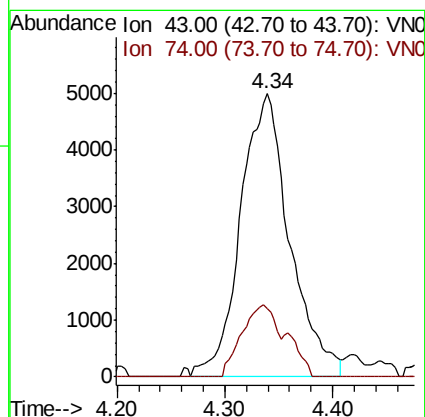
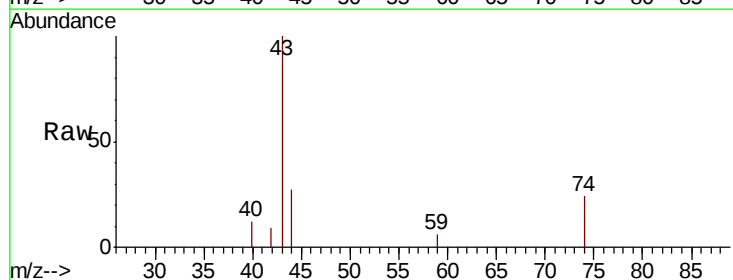
Acq: 22 Aug 2018 1:04

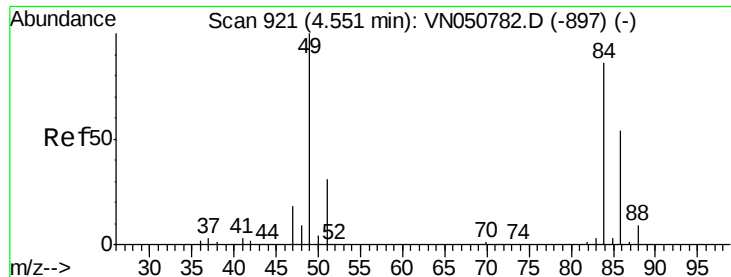
Tgt Ion: 43 Resp: 15836

Ion Ratio Lower Upper

43 100

74 17.7 19.8 29.8#

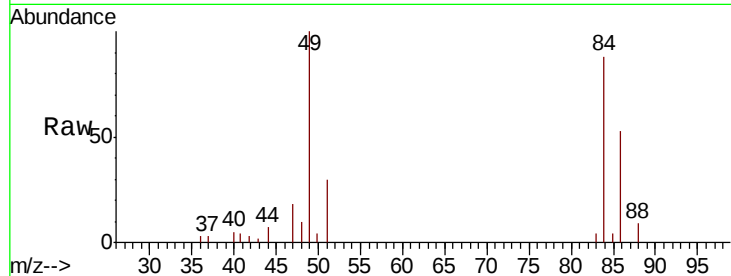




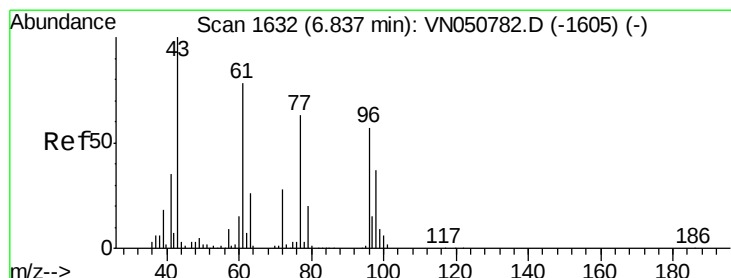
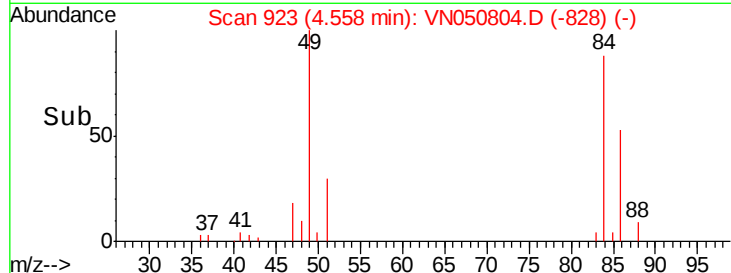
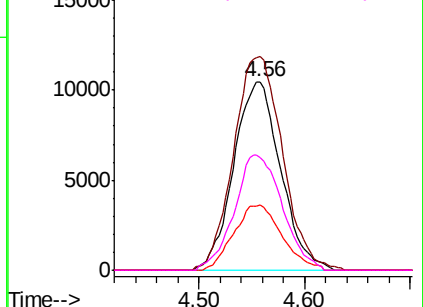
#20  
Methvlene Chloride  
Concen: 3.896 ug/l  
RT: 4.56 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112227ZHE#10

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 32372 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.1 | 93.2  | 139.8 |
| 51       | 34.4  | 29.0  | 43.6  |
| 86       | 59.6  | 49.8  | 74.8  |

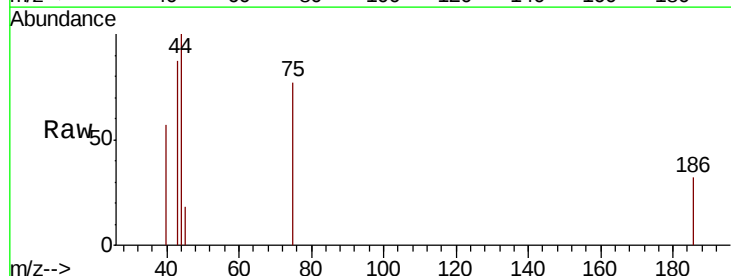


Abundance Ion 83.90 (83.60 to 84.60): VNO  
Ion 48.90 (48.60 to 49.60): VNO  
Ion 50.90 (50.60 to 51.60): VNO  
Ion 85.90 (85.60 to 86.60): VNO

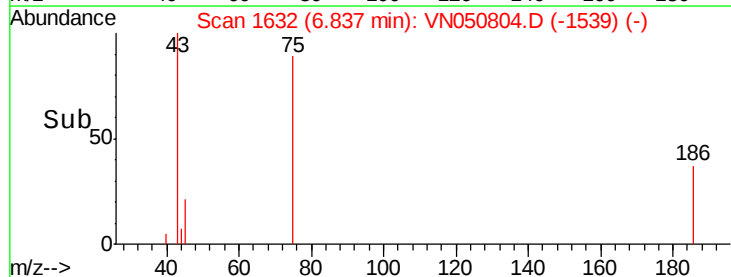
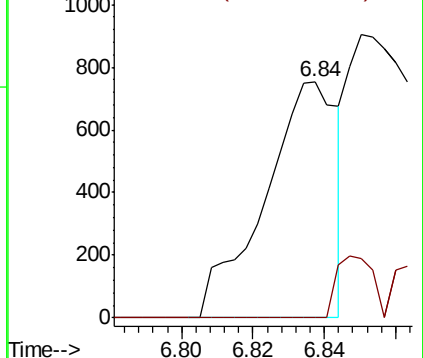


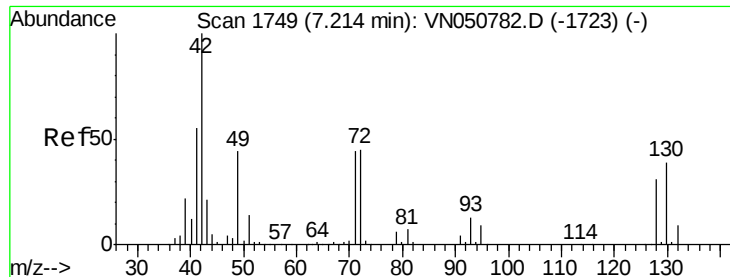
#25  
2-Butanone  
Concen: 0.357 ug/l  
RT: 6.84 min Scan# 1632  
Delta R.T. -0.00 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1062  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 22.3  | 33.5# |



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.362 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.02 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

PB112227ZHE#10

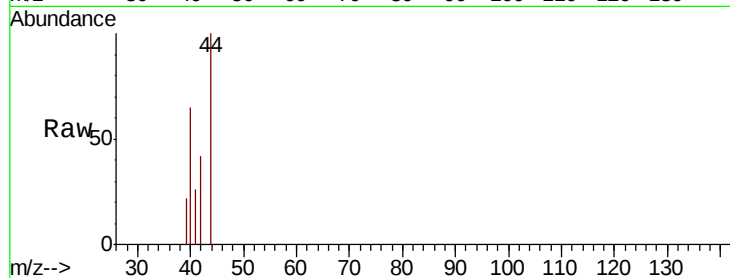
Tot Ion: 42 Resp: 617

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

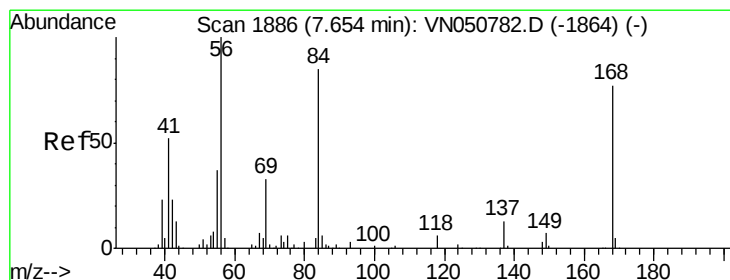
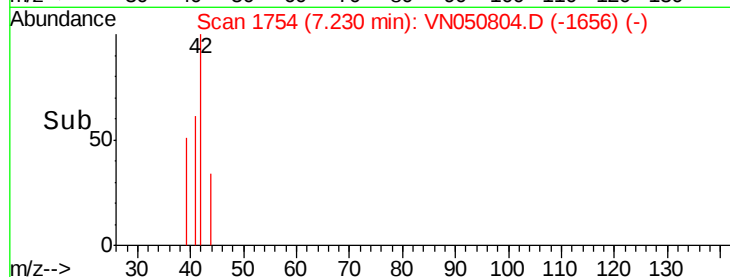
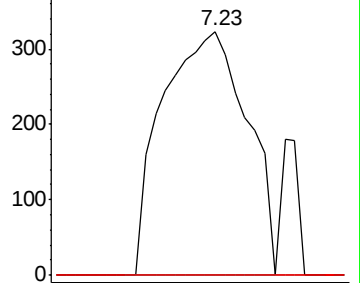
71 0.0 33.7 50.5#



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



#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

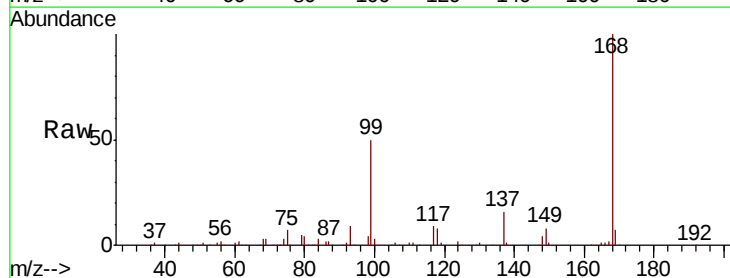
Tgt Ion: 56 Resp: 10730

Ion Ratio Lower Upper

56 100

69 183.1 26.2 39.4#

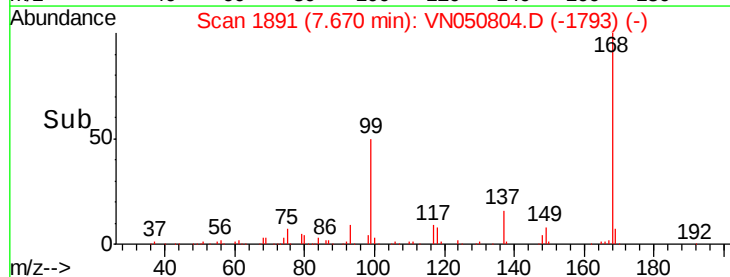
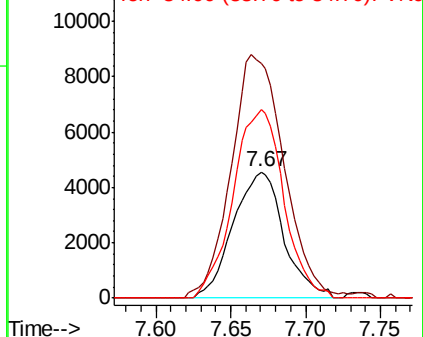
84 149.5 68.3 102.5#

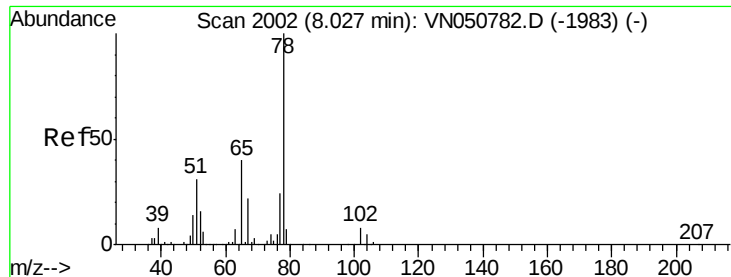


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

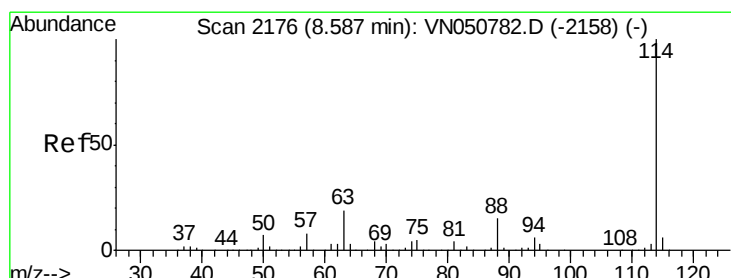
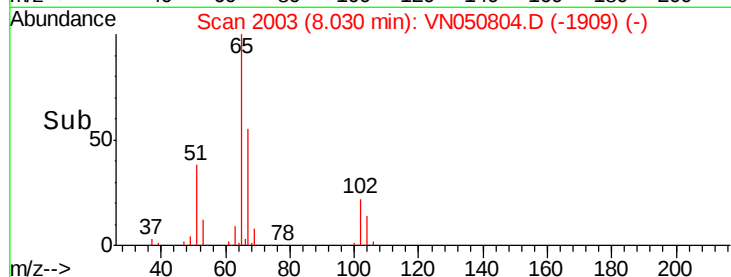
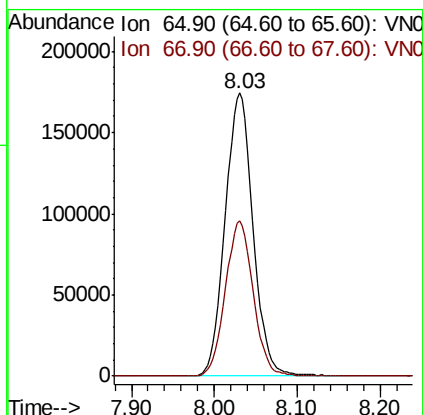
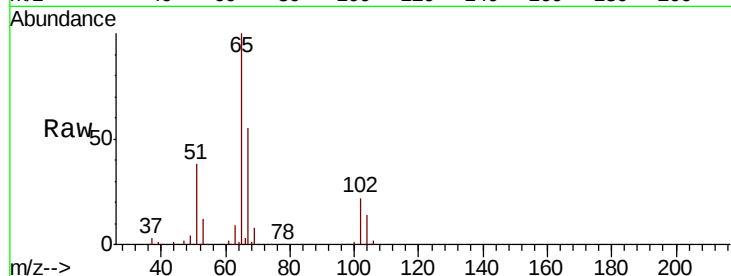




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.348 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050804.D  
 Acq: 22 Aug 2018 1:04

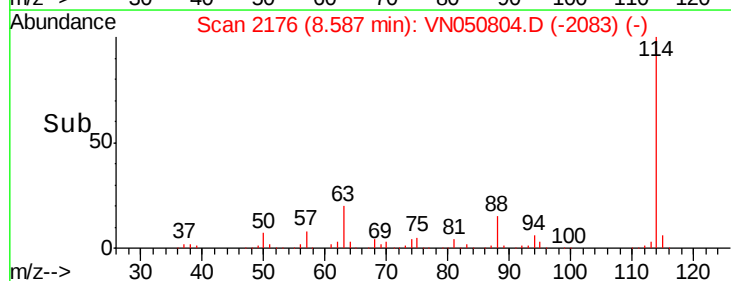
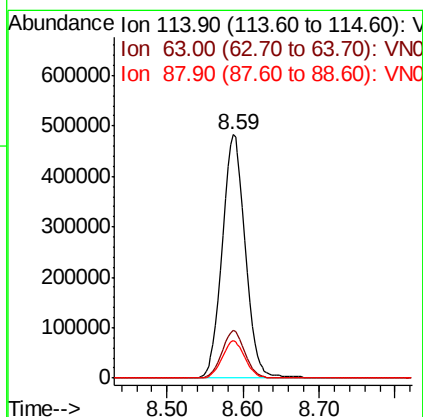
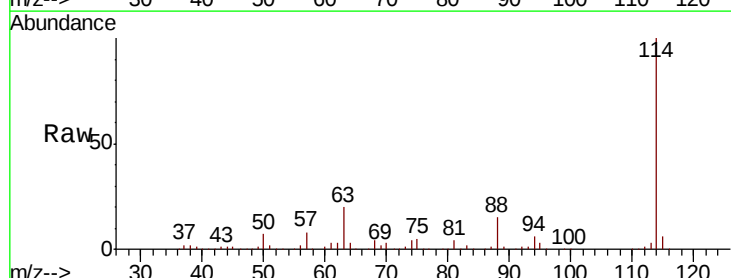
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112227ZHE#10

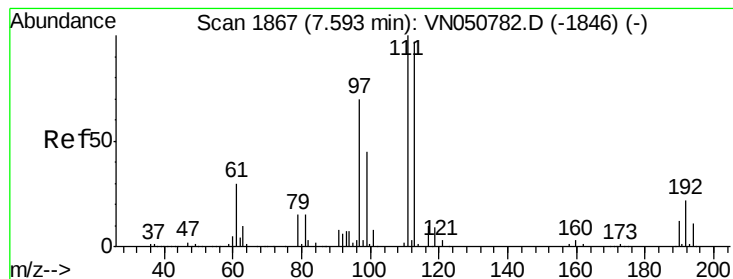
Tot Ion: 65 Resp: 408058  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN050804.D  
 Acq: 22 Aug 2018 1:04

Tgt Ion: 114 Resp: 1021539  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 38.6  
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.638 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

PB112227ZHE#10

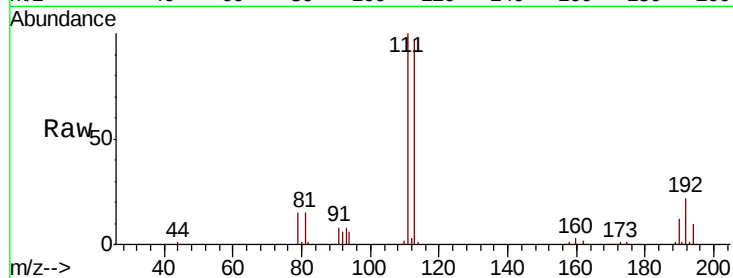
Tot Ion:113 Resp: 387148

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

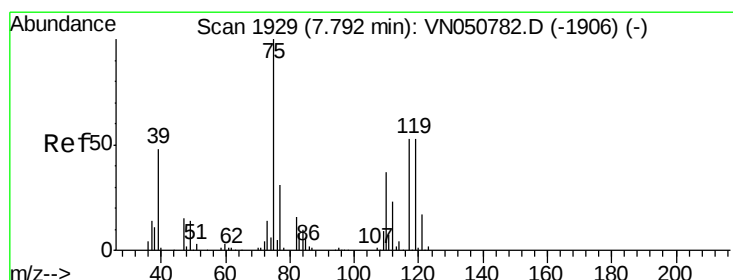
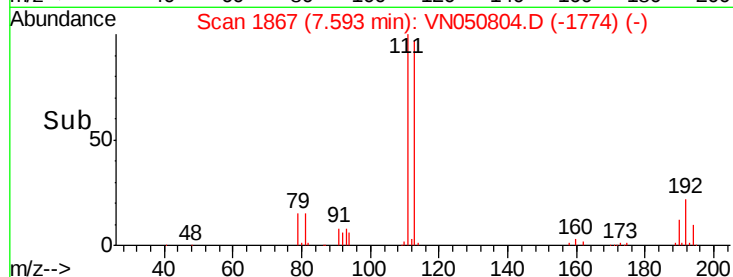
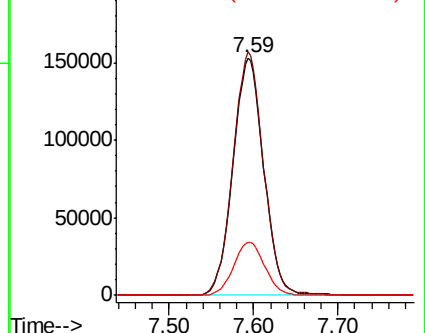
192 22.6 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.496 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

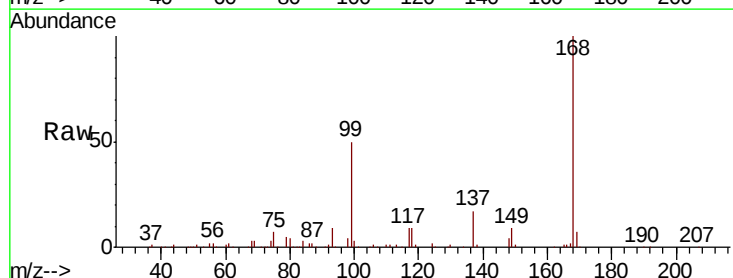
Tgt Ion: 75 Resp: 42141

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

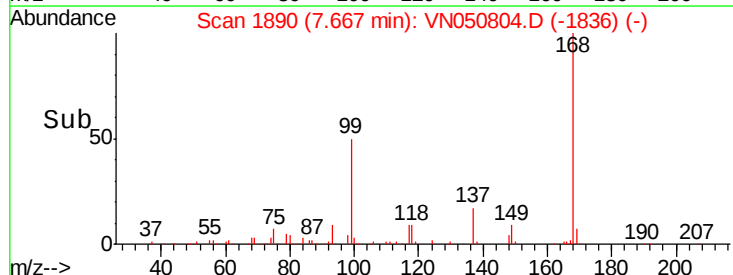
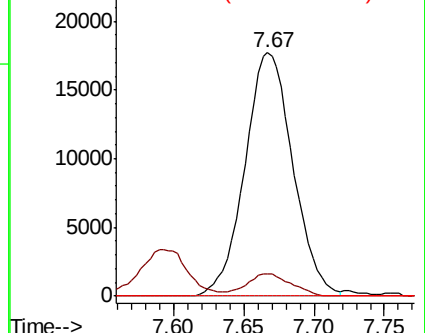
77 0.0 24.8 37.2#

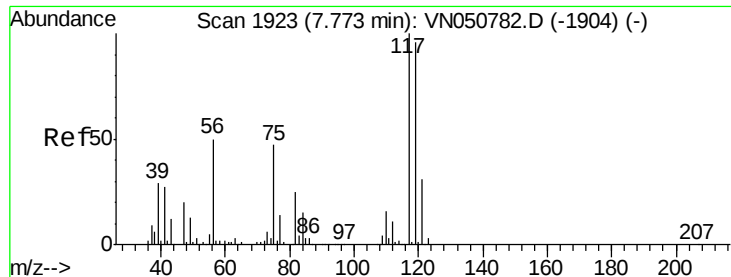


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

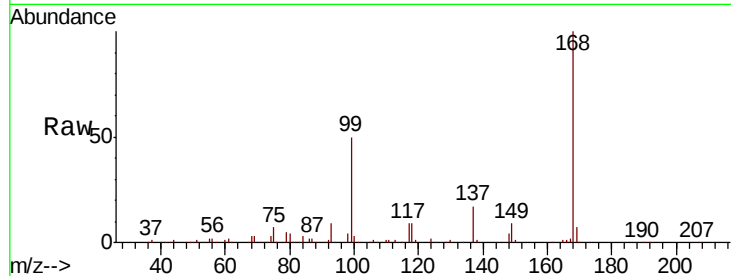




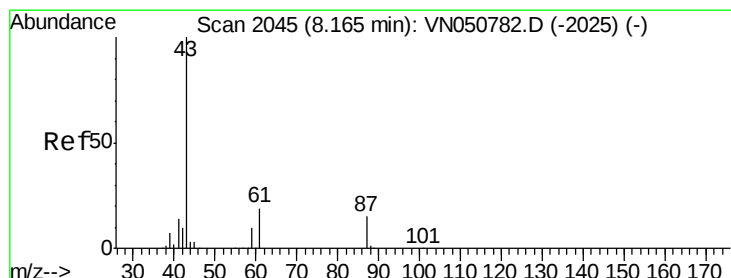
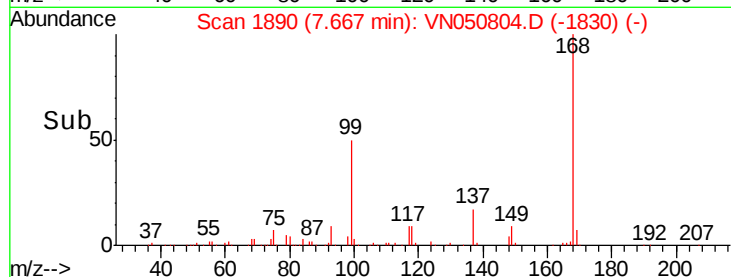
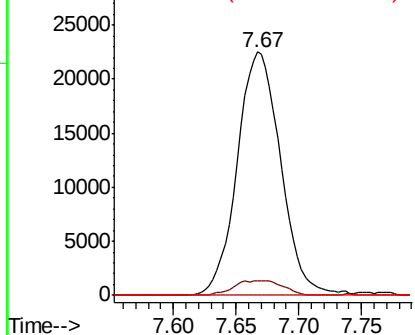
#38  
Carbon Tetrachloride  
Concen: 4.433 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112227ZHE#10

Tot Ion:117 Resp: 54012  
Ion Ratio Lower Upper  
117 100  
119 6.1 76.3 114.5#  
121 0.0 24.6 36.8#

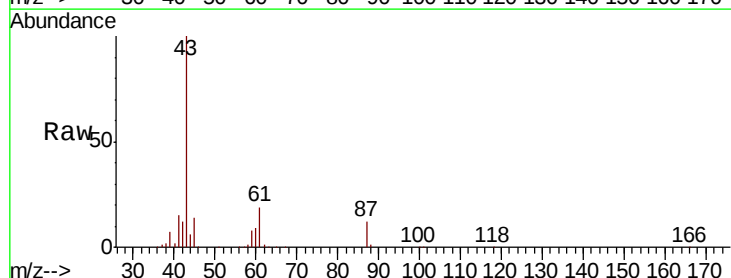


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

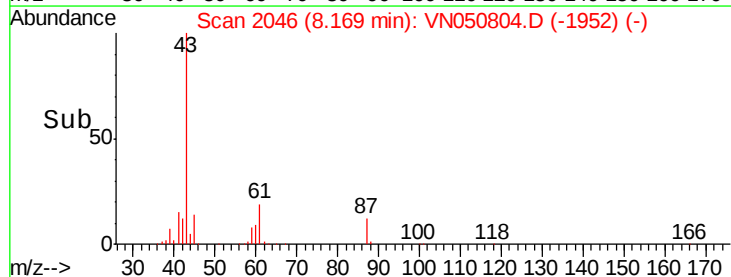
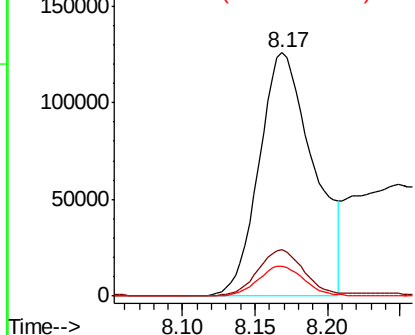


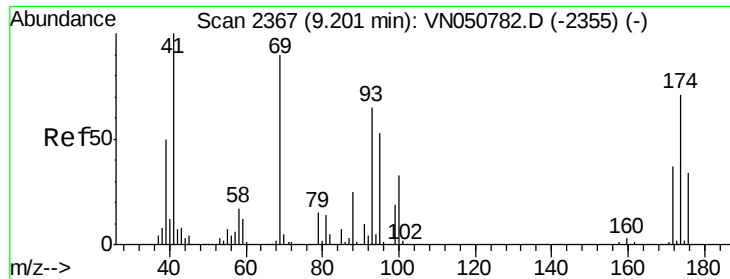
#43  
Isopropyl Acetate  
Concen: 27.455 ug/l  
RT: 8.17 min Scan# 2046  
Delta R.T. 0.00 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

Tgt Ion: 43 Resp: 326882  
Ion Ratio Lower Upper  
43 100  
61 16.4 17.5 26.3#  
87 10.4 11.3 16.9#



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

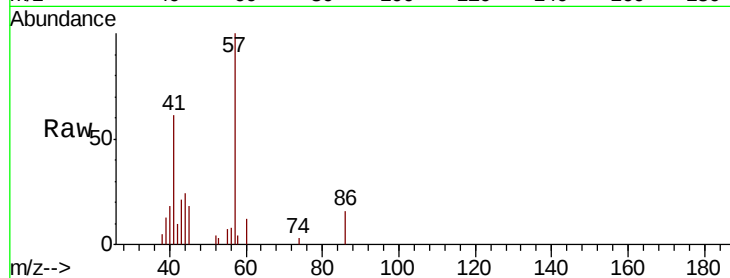




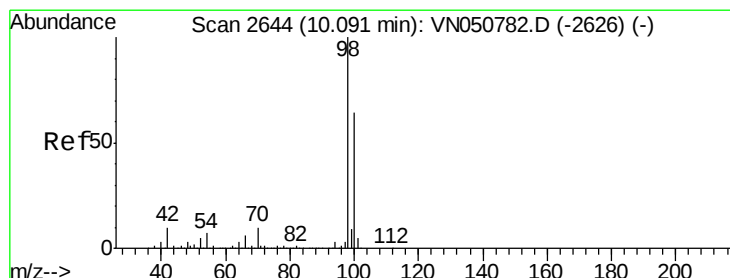
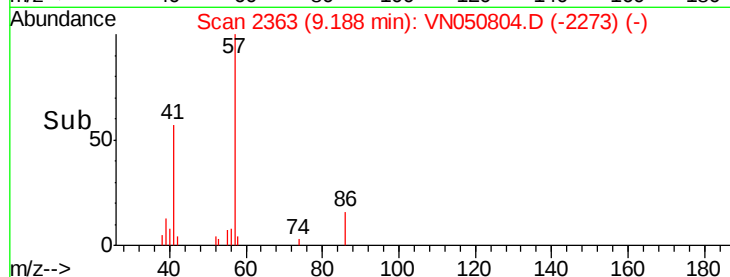
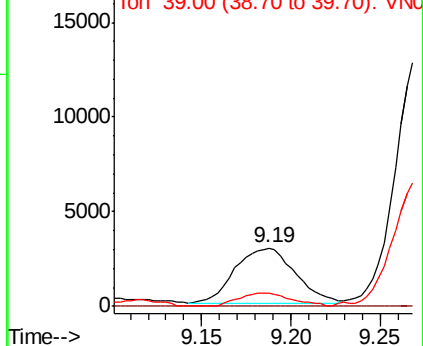
#48  
Methvl methacrylate  
Concen: 1.115 ug/l  
RT: 9.19 min Scan# 2363  
Delta R.T. -0.01 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112227ZHE#10

Tot Ion: 41 Resp: 6764  
Ion Ratio Lower Upper  
41 100  
69 0.0 74.7 112.1#  
39 21.7 42.2 63.2#

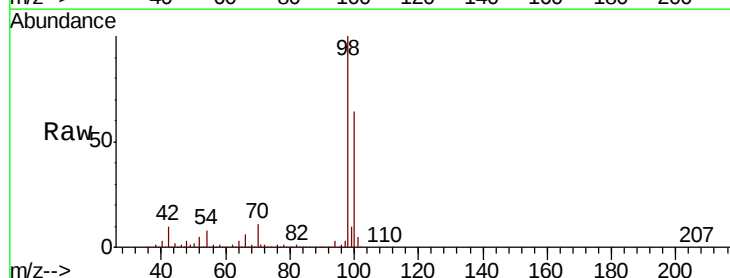


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

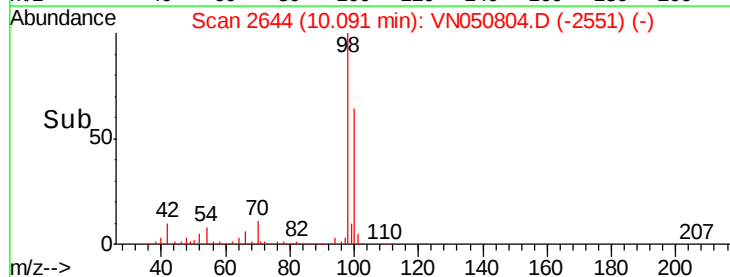
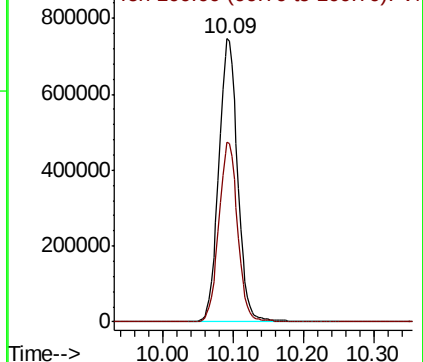


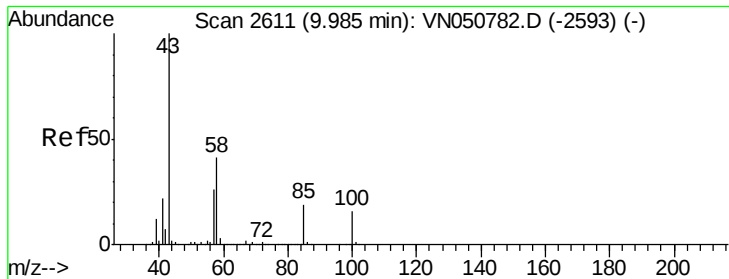
#50  
Toluene-d8  
Concen: 45.706 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

Tgt Ion: 98 Resp: 1388741  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.5 77.3



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





#51

4-Methyl-2-pentanone

Concen: 0.268 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

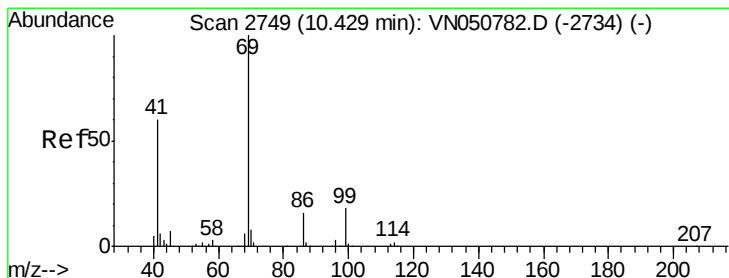
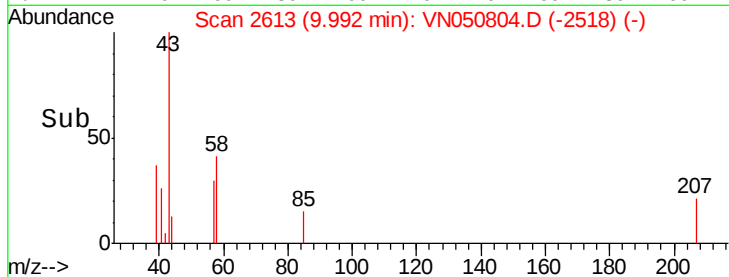
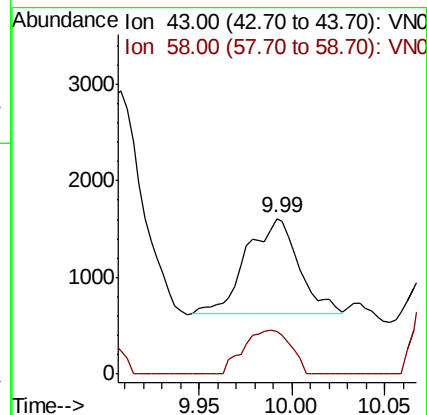
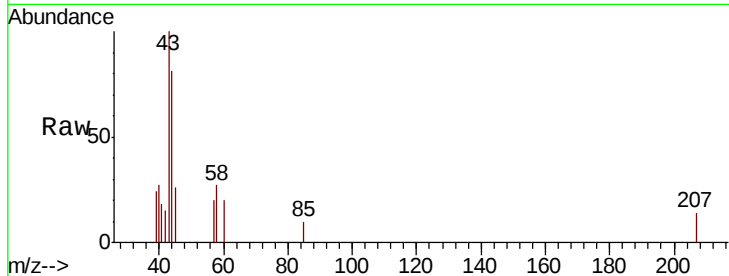
PB112227ZHE#10

Tot Ion: 43 Resp: 1901

Ion Ratio Lower Upper

43 100

58 42.0 32.4 48.6



#56

Ethyl methacrylate

Concen: 2.551 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.20 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

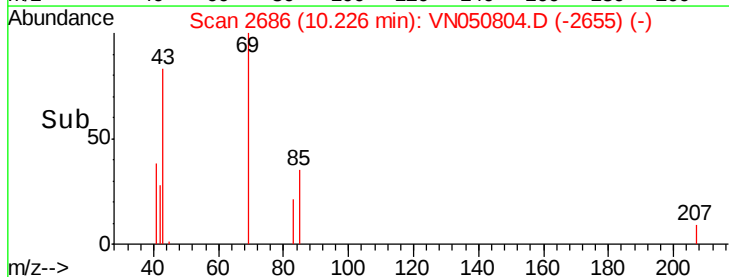
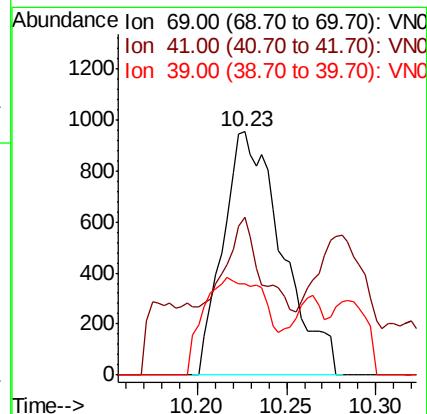
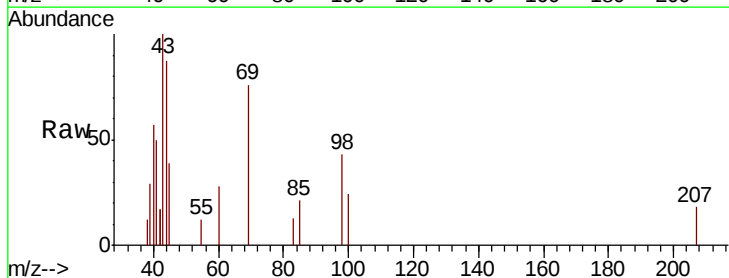
Tgt Ion: 69 Resp: 2199

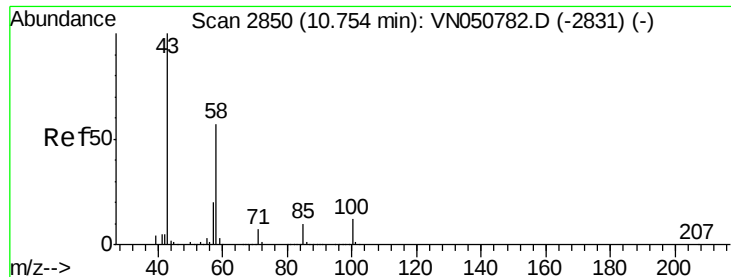
Ion Ratio Lower Upper

69 100

41 43.8 48.3 72.5#

39 41.9 24.0 36.0#





#59

2-Hexanone

Concen: 3.736 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

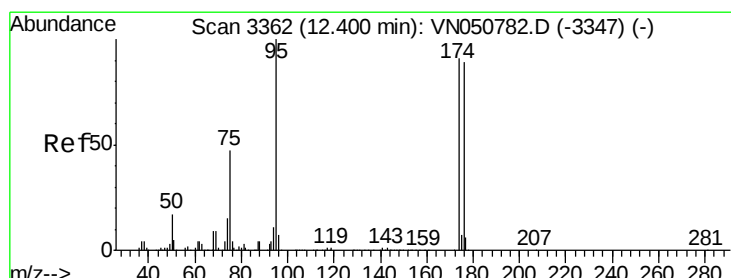
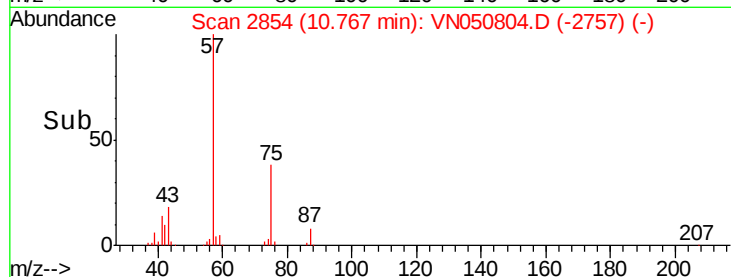
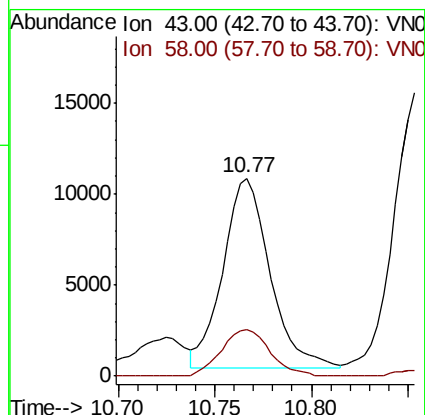
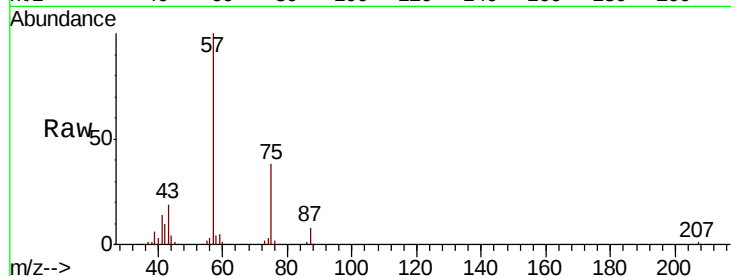
PB112227ZHE#10

Tot Ion: 43 Resp: 17672

Ion Ratio Lower Upper

43 100

58 25.3 28.3 85.0#



#62

4-Bromofluorobenzene

Concen: 34.665 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

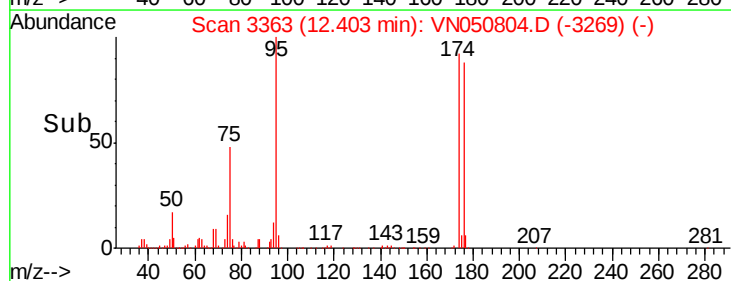
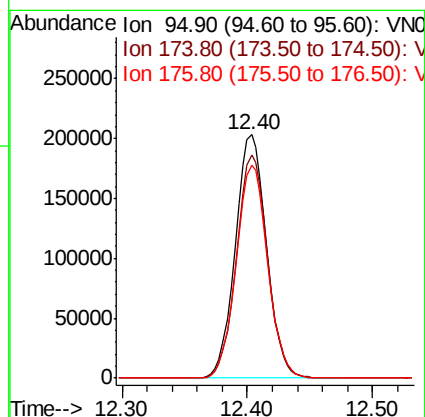
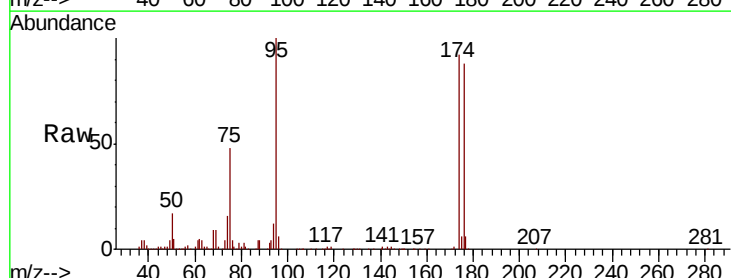
Tgt Ion: 95 Resp: 350007

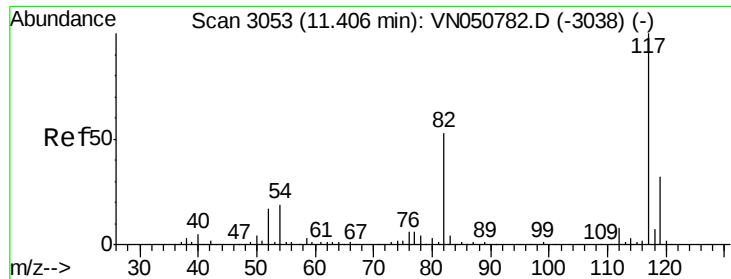
Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.0

176 88.2 0.0 178.8

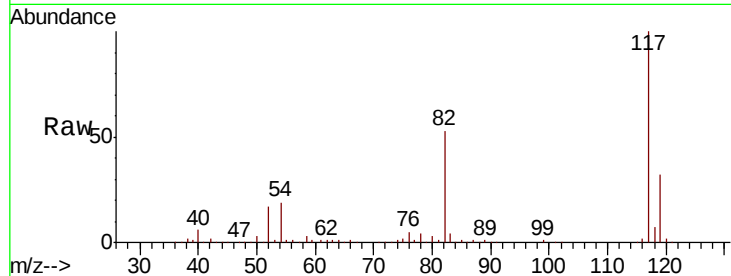




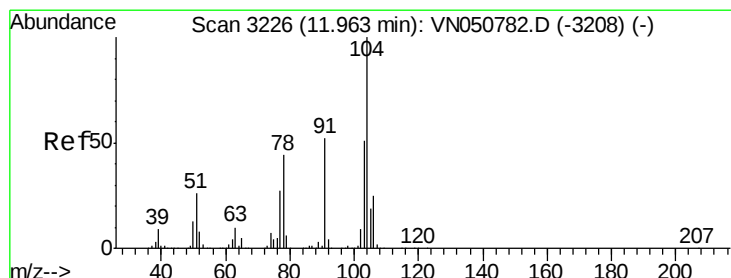
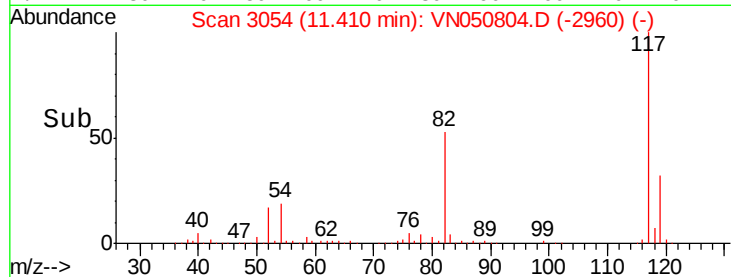
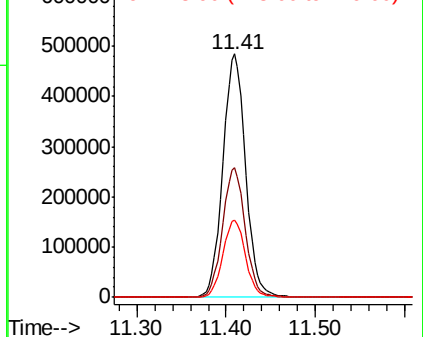
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112227ZHE#10

Tot Ion:117 Resp: 854309  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.6 64.0  
119 31.9 25.8 38.6

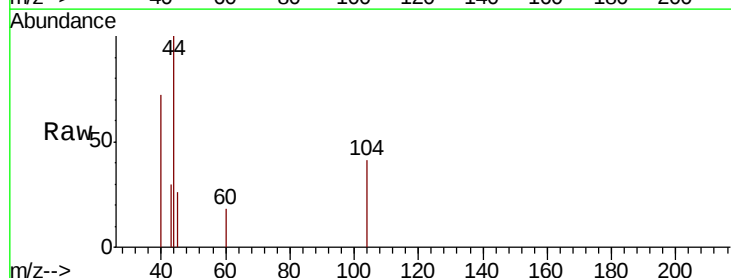


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

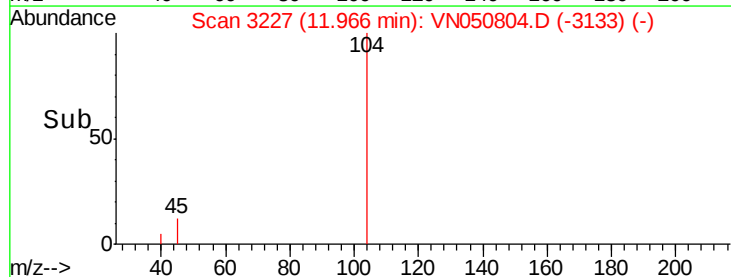
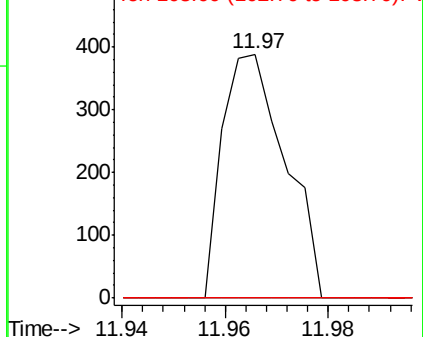


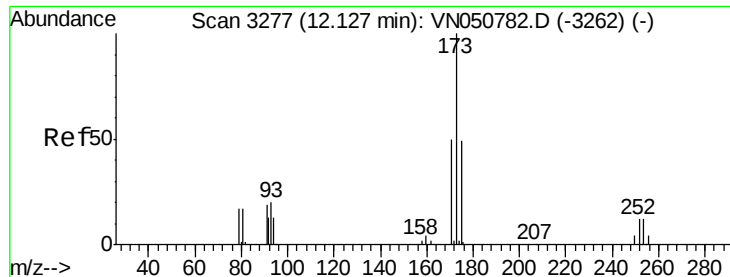
#70  
Styrene  
Concen: 1.284 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

Tgt Ion:104 Resp: 327  
Ion Ratio Lower Upper  
104 100  
78 0.0 38.2 57.4#  
103 0.0 44.4 66.6#



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





#71

Bromoform

Concen: 0.235 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

PB112227ZHE#10

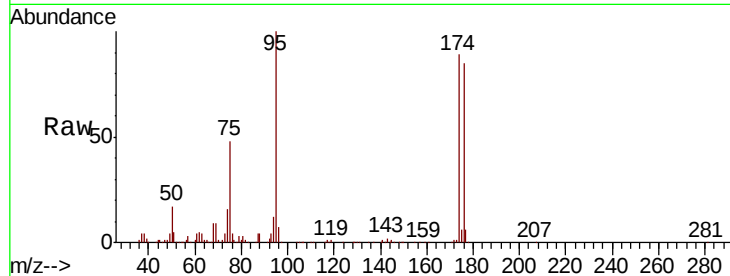
Tot Ion:173 Resp: 1322

Ion Ratio Lower Upper

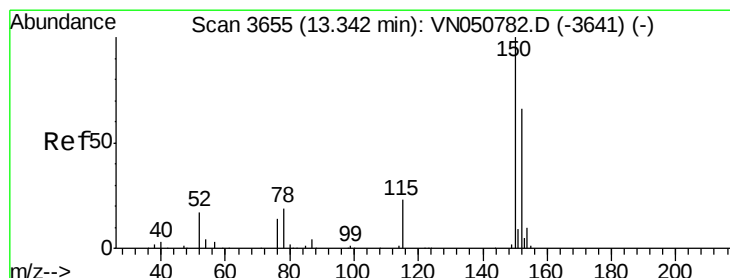
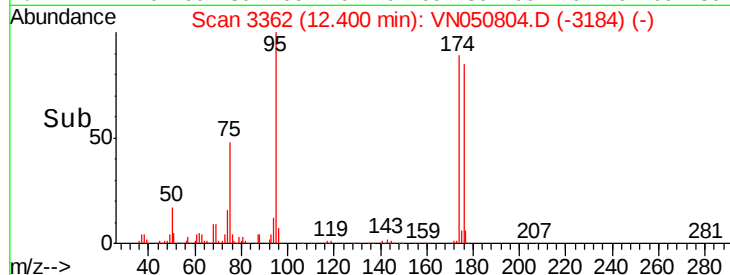
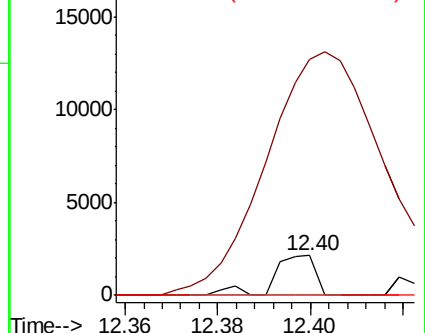
173 100

175 1436.7 24.4 73.4#

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: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

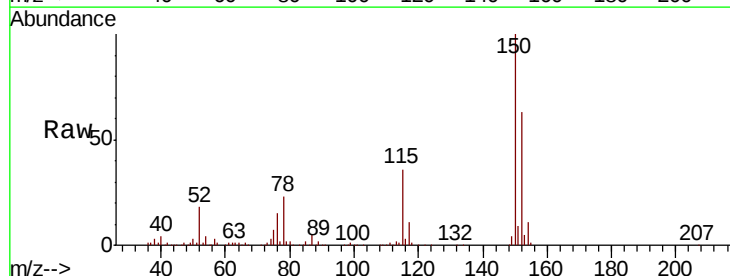
Tgt Ion:152 Resp: 253740

Ion Ratio Lower Upper

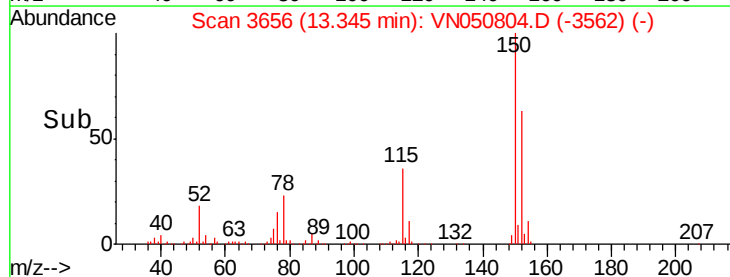
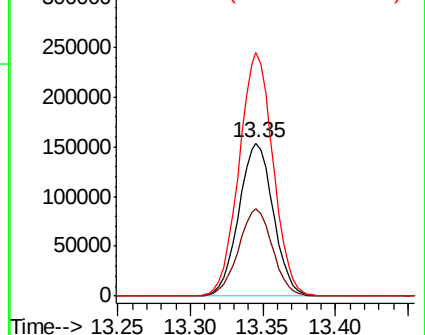
152 100

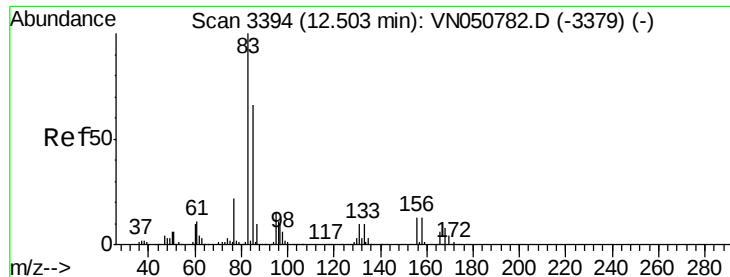
115 56.3 27.8 83.4

150 157.3 0.0 351.4



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: 12.40 min Scan# 3362

Delta R.T. -0.10 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

PB112227ZHE#10

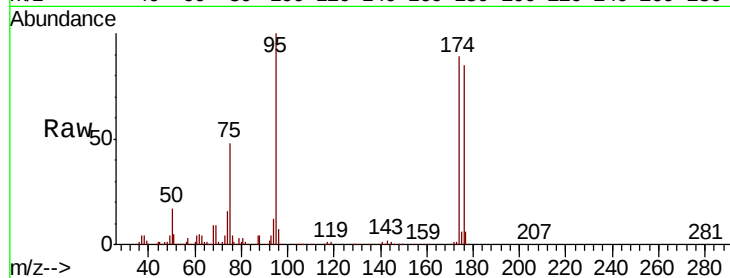
Tot Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

131 852.5 5.3 15.9#

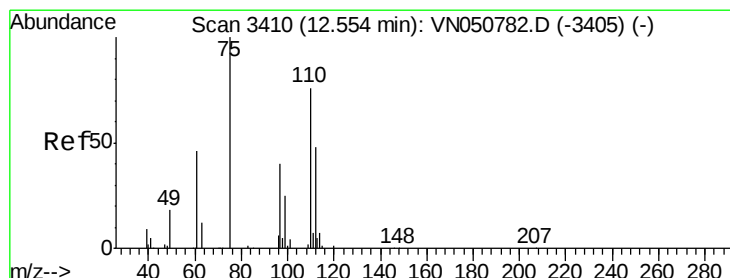
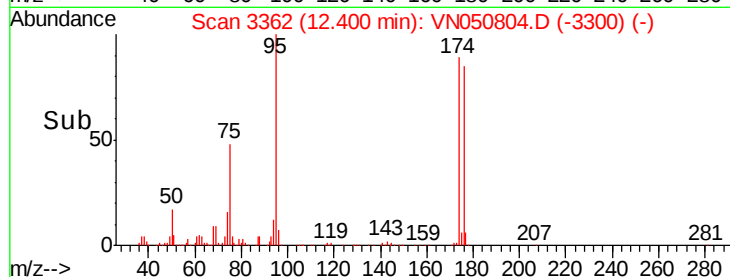
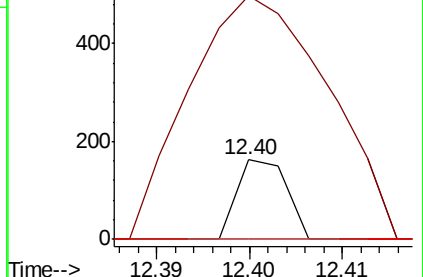
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 37.214 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050804.D

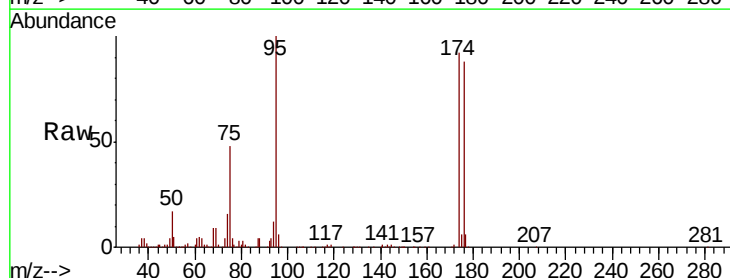
Acq: 22 Aug 2018 1:04

Tgt Ion: 75 Resp: 165390

Ion Ratio Lower Upper

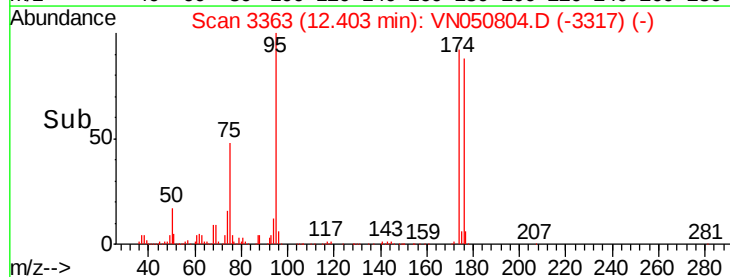
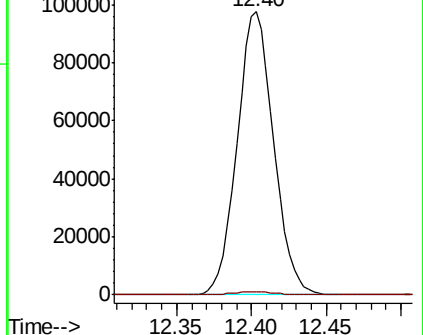
75 100

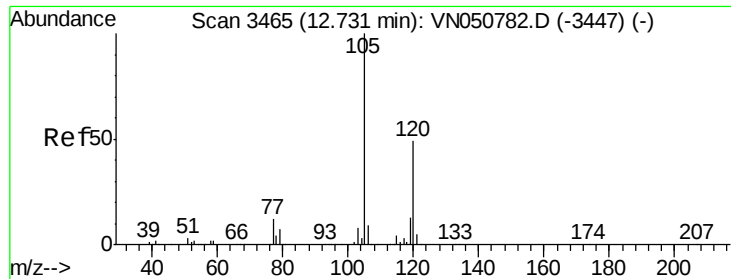
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.207 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

Instrument :

MSVOA\_N

ClientSampleId :

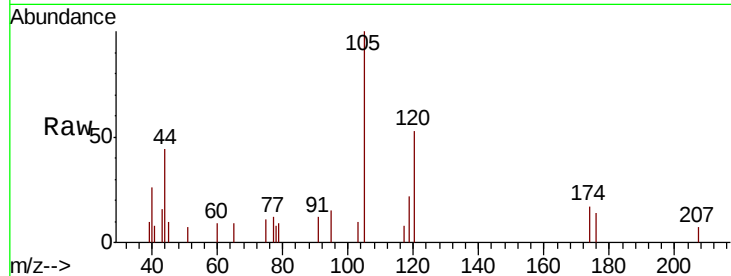
PB112227ZHE#10

Tot Ion:105 Resp: 3507

Ion Ratio Lower Upper

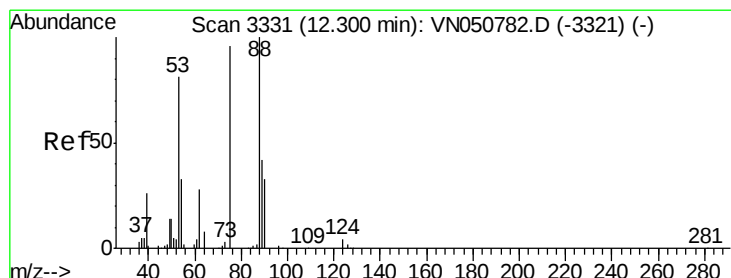
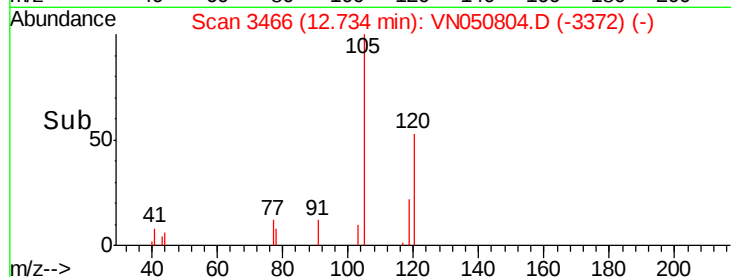
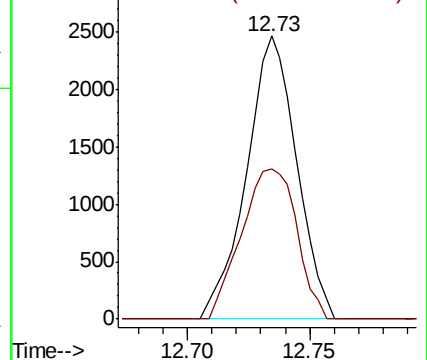
105 100

120 58.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 125.806 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050804.D

Acq: 22 Aug 2018 1:04

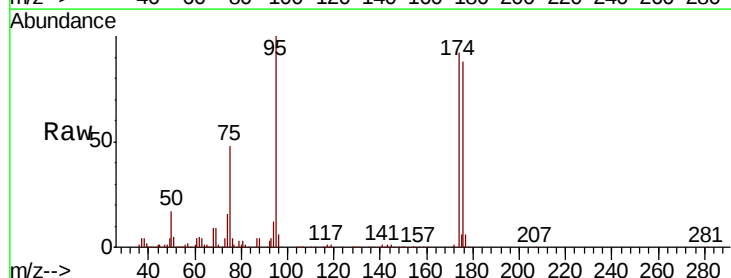
Tgt Ion: 75 Resp: 165390

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

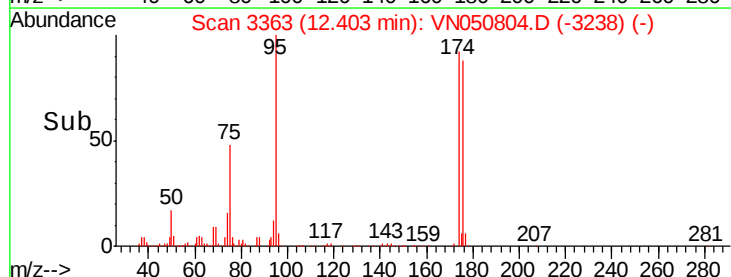
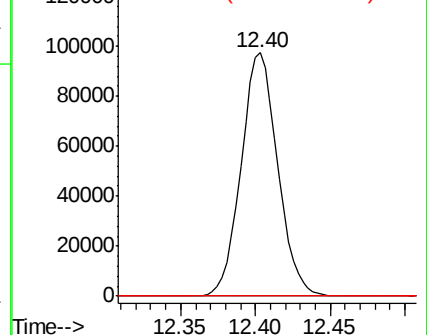
89 0.0 36.1 54.1#

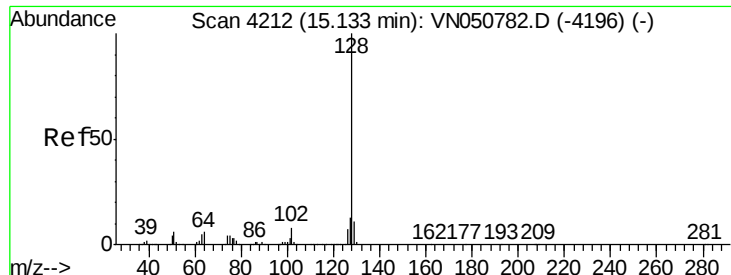


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95  
Naphthalene  
Concen: 5.410 ug/l  
RT: 15.13 min Scan# 4211  
Delta R.T. -0.00 min  
Lab File: VN050804.D  
Acq: 22 Aug 2018 1:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112227ZHE#10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 0.0   | 10.5  | 15.7# |
| 129     | 0.0   | 8.7   | 13.1# |

