

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\  
 Data File : VN050567.D  
 Acq On : 13 Aug 2018 14:43  
 Operator : MD\SY  
 Sample : PB111961TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111961TB

Quant Time: Aug 14 00:59:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

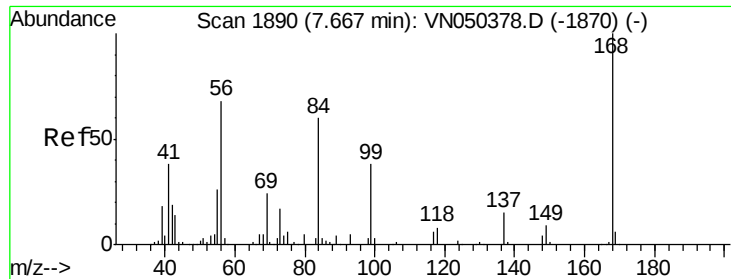
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 666714   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1055532  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 899042   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 327105   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 445674   | 50.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.06% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 412803   | 48.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.48%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1477449  | 46.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.80%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 395226   | 36.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 72.84%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 2.06  | 50   | 3390     | Below Cal |        | 90     |
| 5) Bromomethane                | 2.57  | 94   | 4934     | 1.23      | ug/l   | 96     |
| 10) Methyl Iodide              | 3.96  | 142  | 1903     | 0.56      | ug/l # | 80     |
| 13) Acrolein                   | 3.62  | 56   | 90       | 15.12     | ug/l   | 98     |
| 16) Acetone                    | 3.83  | 43   | 14217    | 5.00      | ug/l   | 99     |
| 17) Carbon Disulfide           | 4.06  | 76   | 5565     | 0.24      | ug/l # | 89     |
| 18) Methyl Acetate             | 4.34  | 43   | 11809    | 1.52      | ug/l   | 96     |
| 20) Methylene Chloride         | 4.55  | 84   | 11638    | Below Cal |        | 95     |
| 25) 2-Butanone                 | 6.85  | 43   | 3011     | 0.68      | ug/l # | 85     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 1162     | 0.49      | ug/l # | 62     |
| 31) Cyclohexane                | 7.67  | 56   | 12313    | 0.34      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 45780    | 3.95      | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 59576    | 4.92      | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 219467   | 15.22     | ug/l   | 98     |
| 48) Methyl methacrylate        | 9.18  | 41   | 7328     | 1.01      | ug/l # | 22     |
| 49) 1,4-Dioxane                | 9.22  | 88   | 60       | 0.54      | ug/l # | 22     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3318     | 0.32      | ug/l   | 90     |
| 56) Ethyl methacrylate         | 10.43 | 69   | 195      | 1.73      | ug/l # | 45     |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 164      | 7.42      | ug/l # | 48     |
| 59) 2-Hexanone                 | 10.77 | 43   | 18522    | 2.56      | ug/l   | 63     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 190430   | 32.16     | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 190430   | 113.00    | ug/l # | 13     |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 2450     | 0.21      | ug/l # | 85     |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 3239     | 0.28      | ug/l # | 1      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 2464     | 0.21      | ug/l   | 85     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 2994     | 0.50      | ug/l   | 82     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 1625     | Below Cal |        | 97     |
| 95) Naphthalene                | 15.13 | 128  | 8616     | 4.12      | ug/l   | 98     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 3994     | 0.66      | ug/l   | 93     |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampleId :

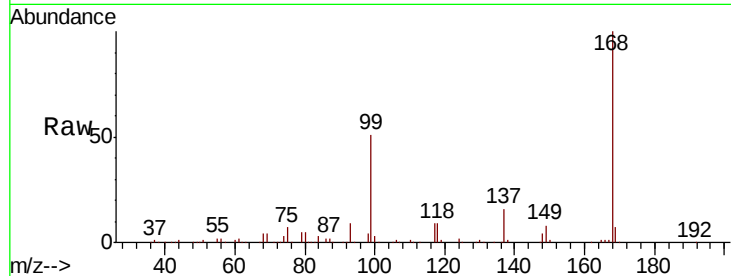
PB111961TB

Tot Ion:168 Resp: 666714

Ion Ratio Lower Upper

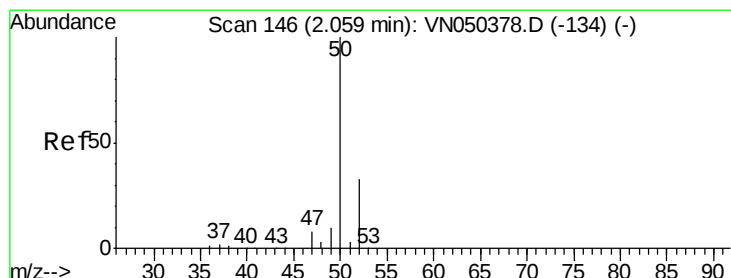
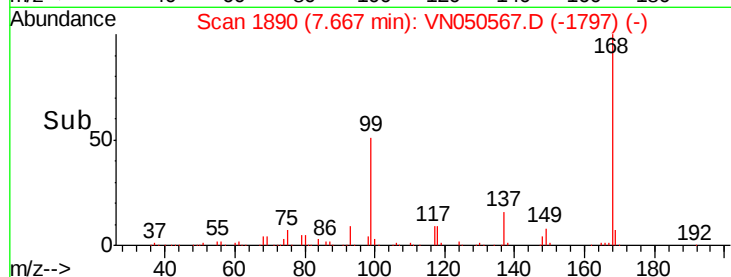
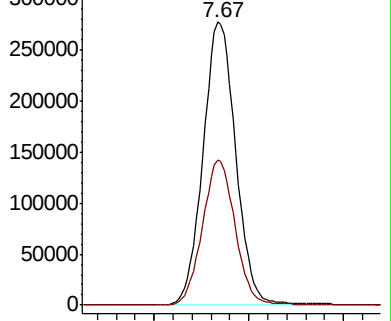
168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050567.D

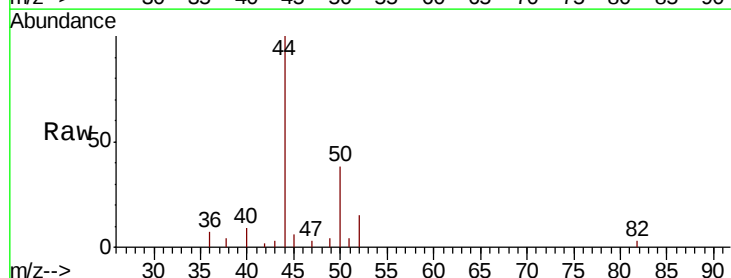
Acq: 13 Aug 2018 14:43

Tgt Ion: 50 Resp: 3390

Ion Ratio Lower Upper

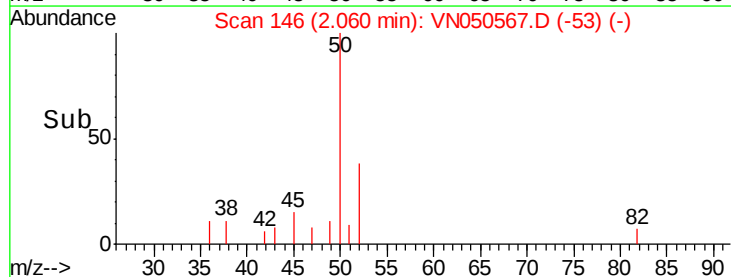
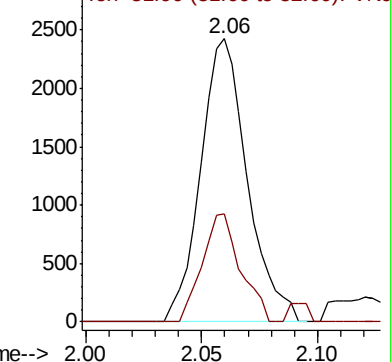
50 100

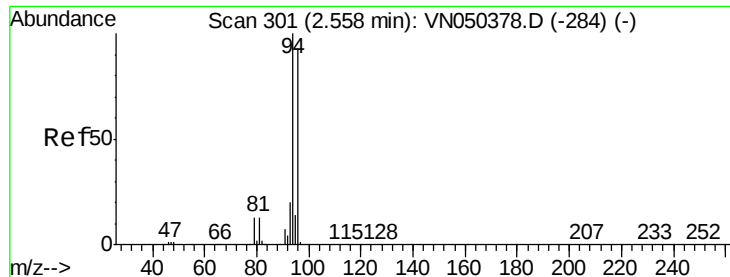
52 38.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 1.23 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampled :

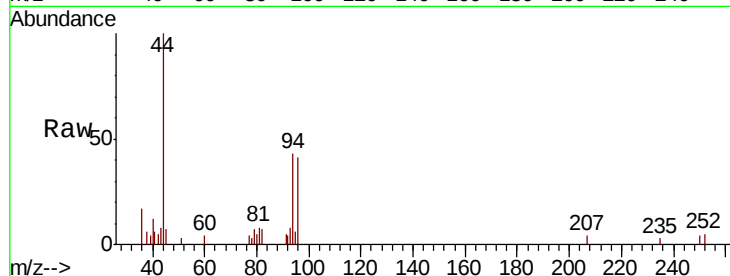
PB111961TB

Tot Ion: 94 Resp: 4934

Ion Ratio Lower Upper

94 100

96 89.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)

2.57

2500

2000

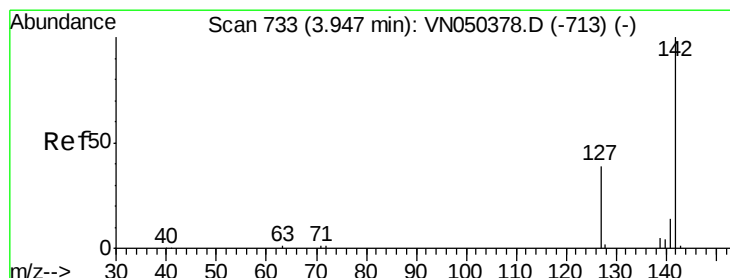
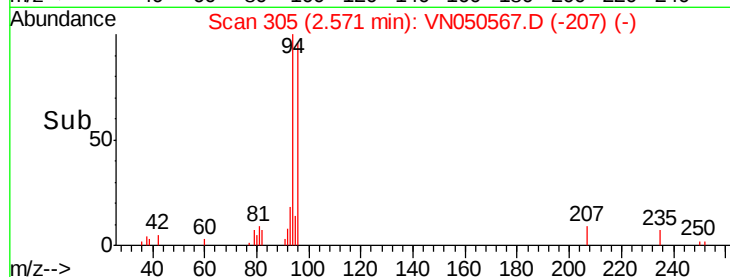
1500

1000

500

0

Time--> 2.50 2.55 2.60



#10

Methyl Iodide

Concen: 0.56 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

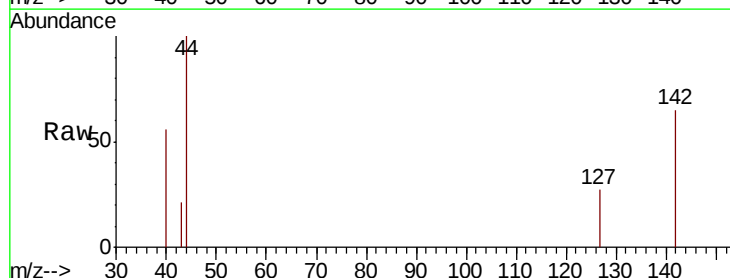
Tgt Ion: 142 Resp: 1903

Ion Ratio Lower Upper

142 100

127 32.9 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

3.96

800

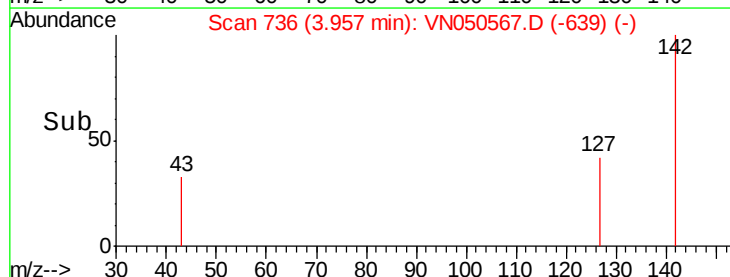
600

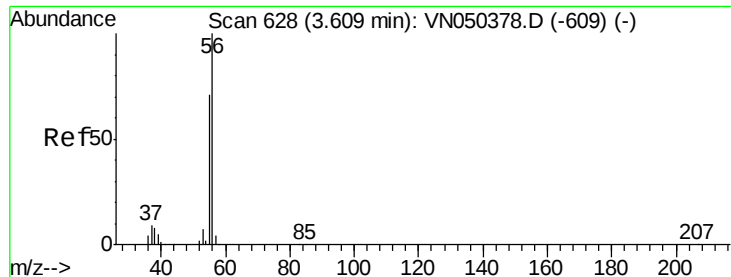
400

200

0

Time--> 3.90 3.95 4.00





#13

Acrolein

Concen: 15.12 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampleId :

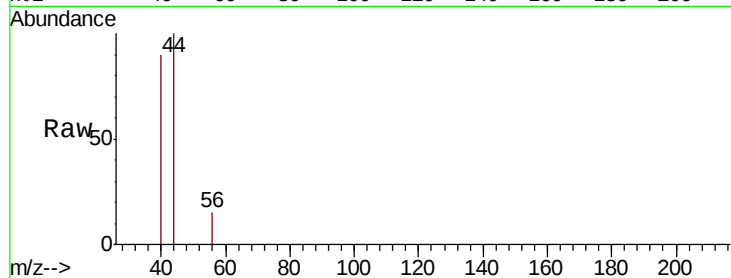
PB111961TB

Tot Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 71.1 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

200

150

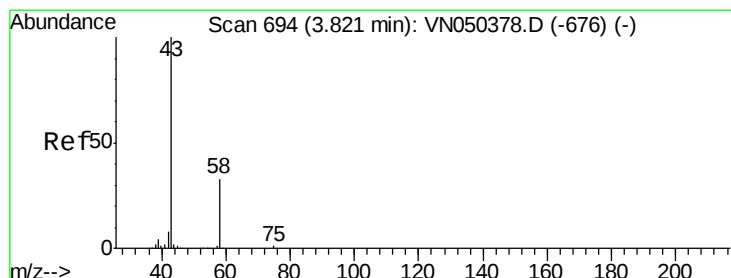
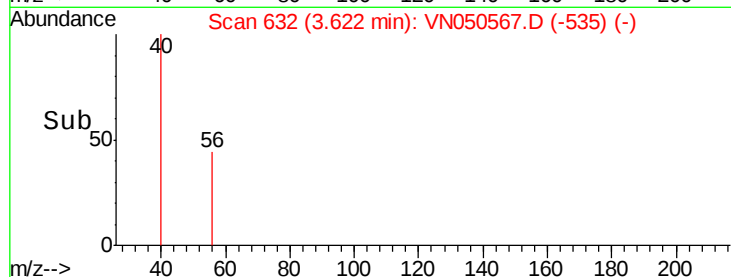
100

50

0

3.61 3.62 3.63

Time-->



#16

Acetone

Concen: 5.00 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050567.D

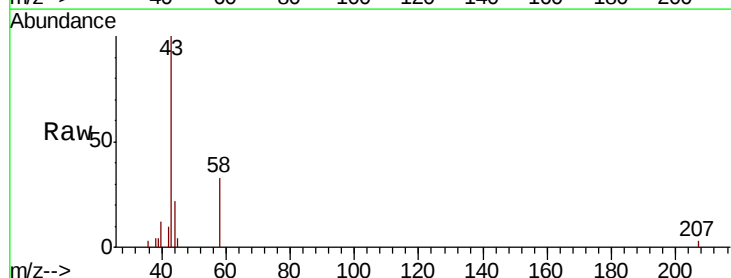
Acq: 13 Aug 2018 14:43

Tgt Ion: 43 Resp: 14217

Ion Ratio Lower Upper

43 100

58 33.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

5000

4000

3000

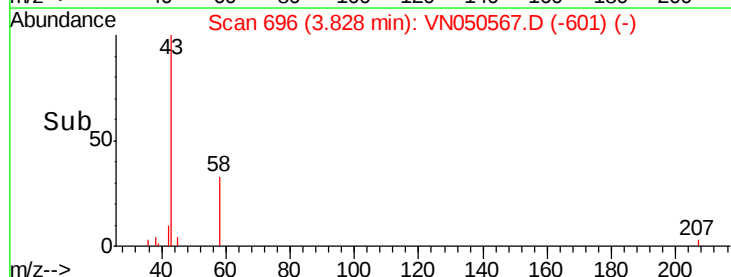
2000

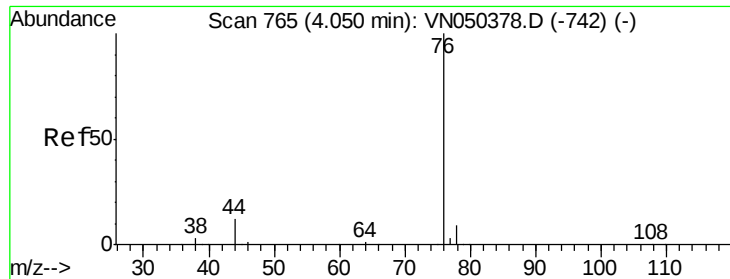
1000

0

3.75 3.80 3.85 3.90

Time-->

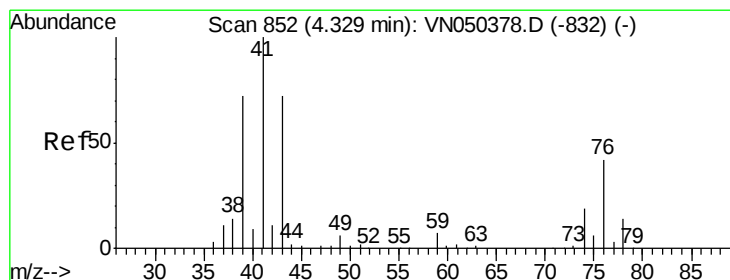
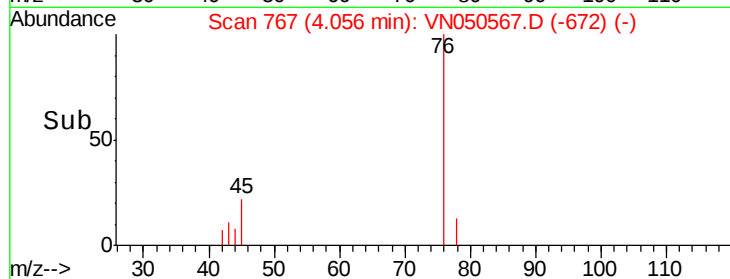
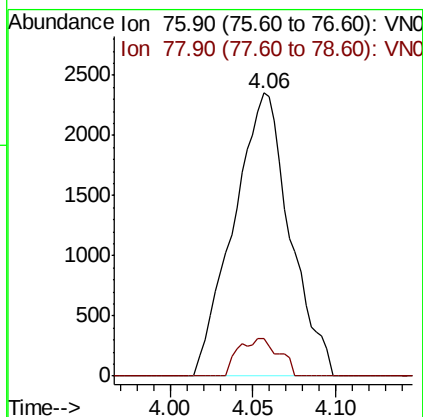
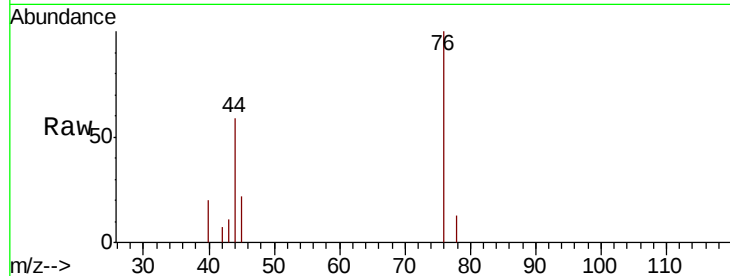




#17  
Carbon Disulfide  
Concen: 0.24 ug/l  
RT: 4.06 min Scan# 767  
Delta R.T. 0.01 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

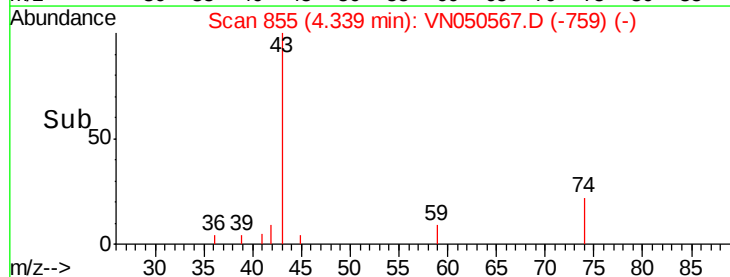
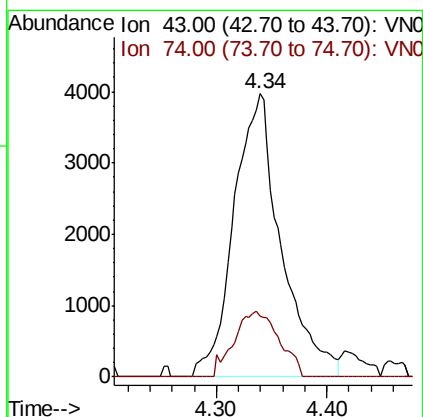
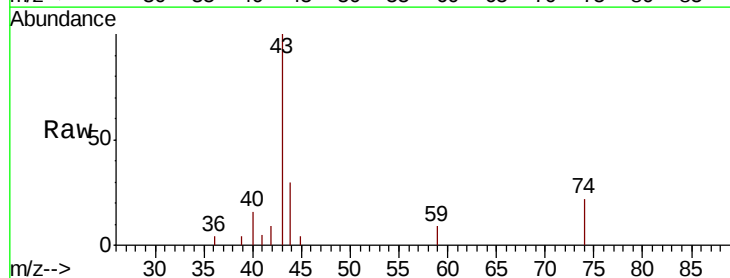
Instrument :  
MSVOA\_N  
ClientSampled :  
PB111961TB

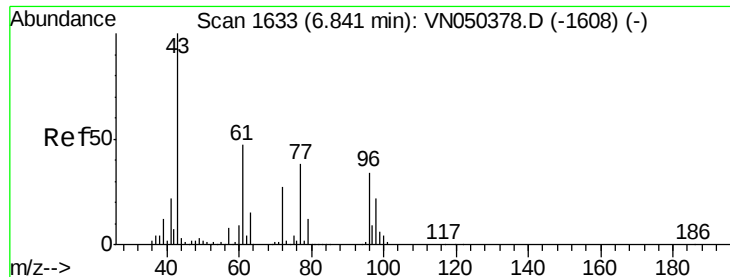
Tot Ion: 76 Resp: 5565  
Ion Ratio Lower Upper  
76 100  
78 13.2 7.3 10.9#



#18  
Methyl Acetate  
Concen: 1.52 ug/l  
RT: 4.34 min Scan# 855  
Delta R.T. 0.01 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

Tgt Ion: 43 Resp: 11809  
Ion Ratio Lower Upper  
43 100  
74 22.1 19.2 28.8

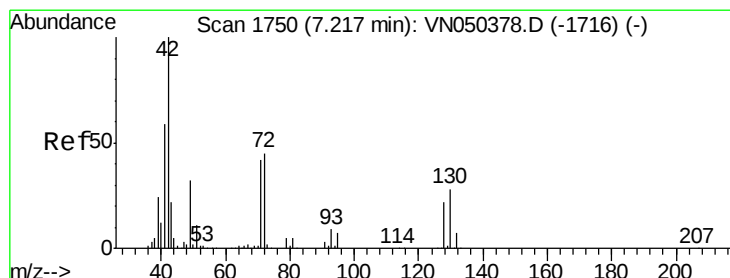
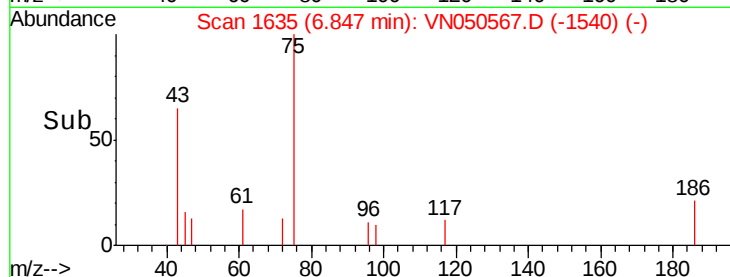
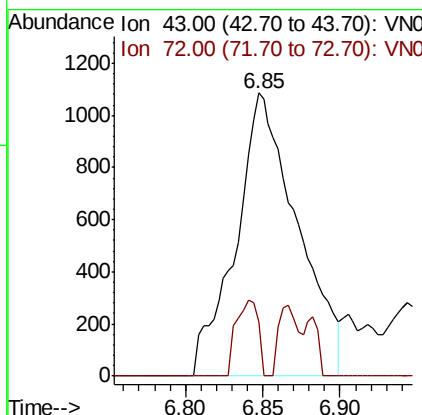
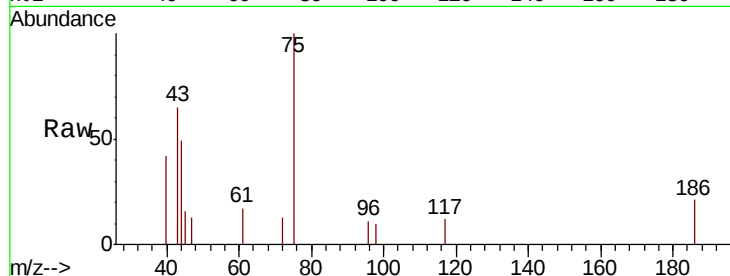




#25  
2-Butanone  
Concen: 0.68 ug/l  
RT: 6.85 min Scan# 1635  
Delta R.T. 0.01 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

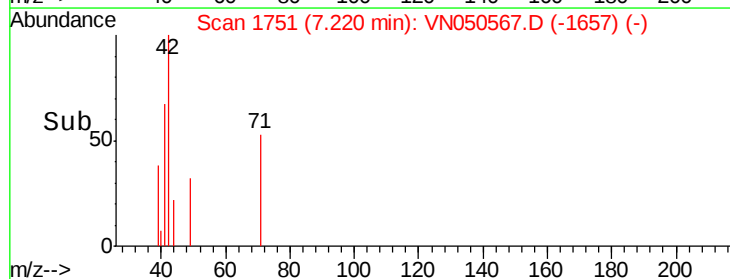
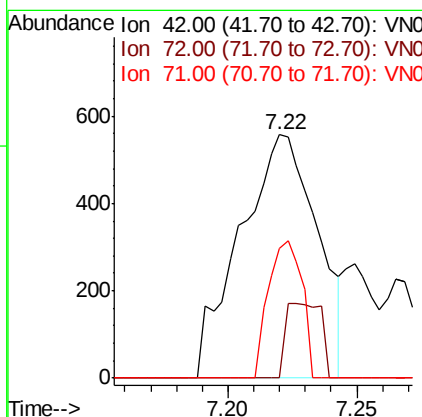
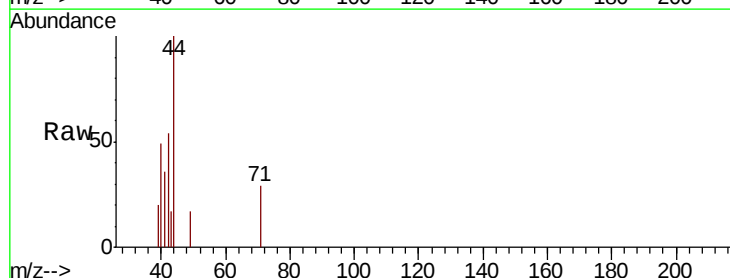
Instrument :  
MSVOA\_N  
ClientSampled :  
PB111961TB

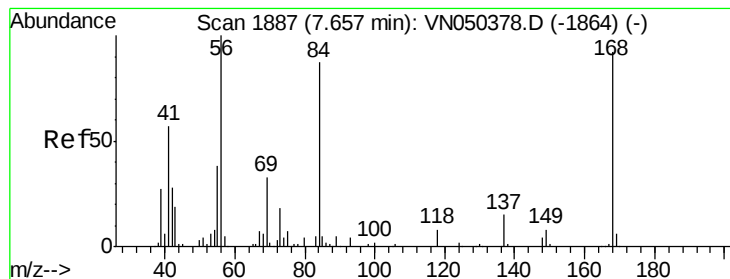
Tot Ion: 43 Resp: 3011  
Ion Ratio Lower Upper  
43 100  
72 19.2 21.5 32.3#



#29  
Tetrahydrofuran  
Concen: 0.49 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.00 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

Tgt Ion: 42 Resp: 1162  
Ion Ratio Lower Upper  
42 100  
72 13.9 35.9 53.9#  
71 24.6 33.7 50.5#





#31

Cyclohexane

Concen: 0.34 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampled :

PB111961TB

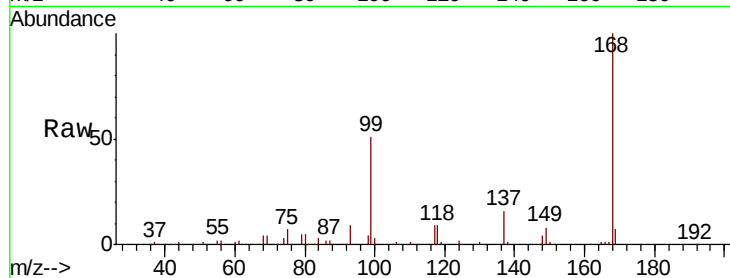
Tot Ion: 56 Resp: 12313

Ion Ratio Lower Upper

56 100

69 175.6 26.2 39.4#

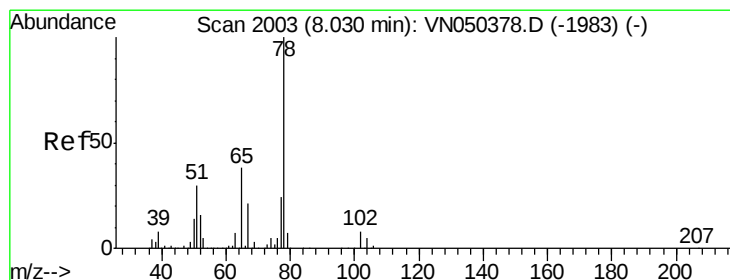
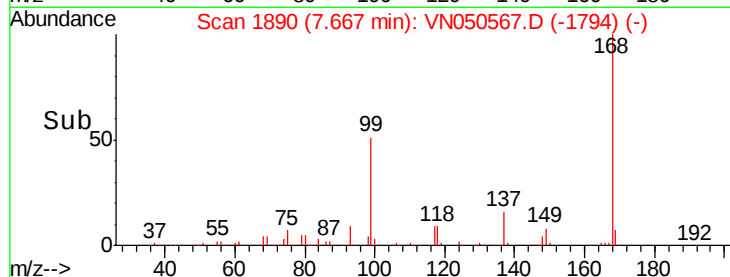
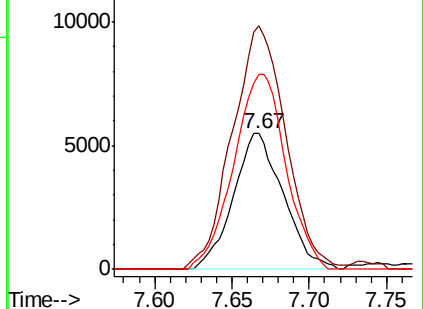
84 143.5 67.4 101.0#



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: 50.03 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050567.D

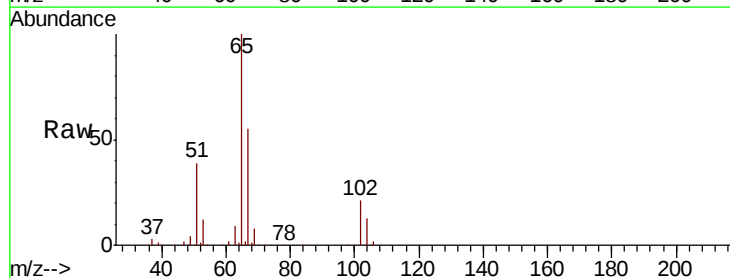
Acq: 13 Aug 2018 14:43

Tgt Ion: 65 Resp: 445674

Ion Ratio Lower Upper

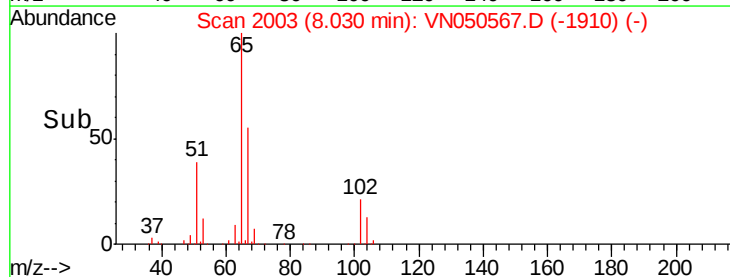
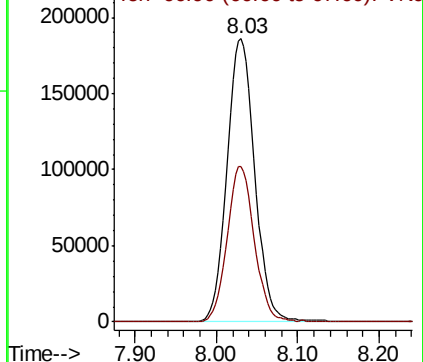
65 100

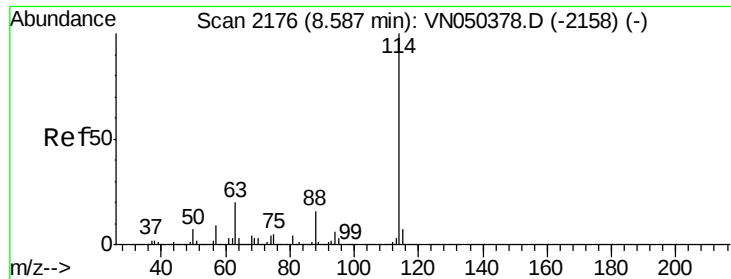
67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

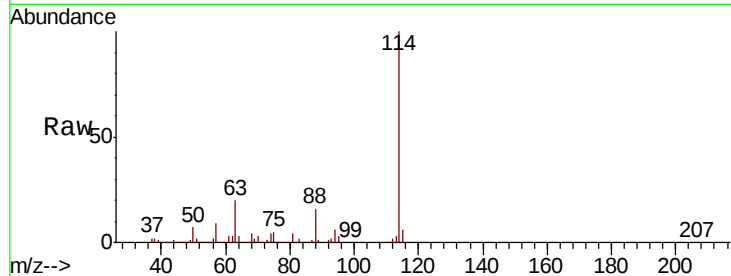




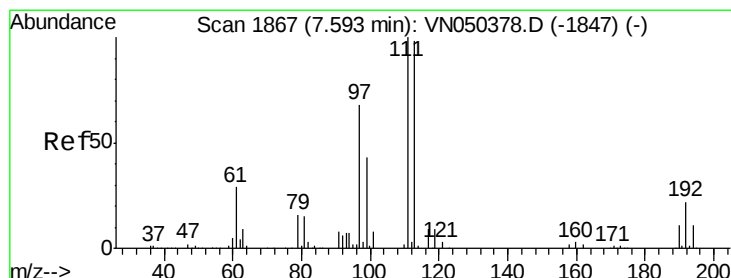
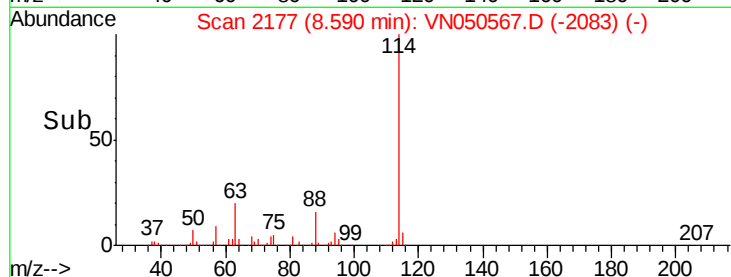
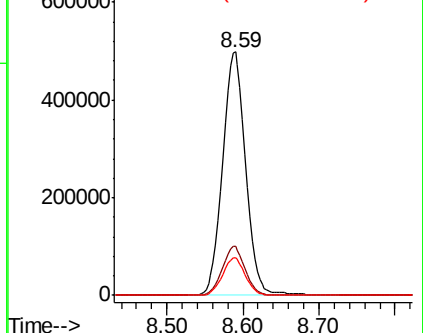
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050567.D  
 Acq: 13 Aug 2018 14:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111961TB

Tot Ion:114 Resp: 1055532  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 40.0  
 88 15.6 0.0 31.2

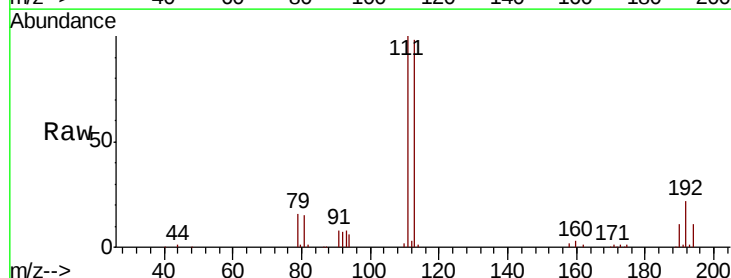


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

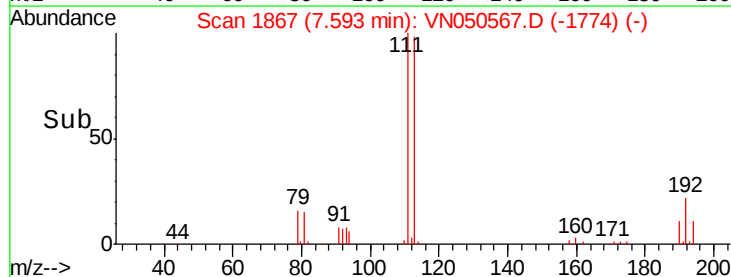
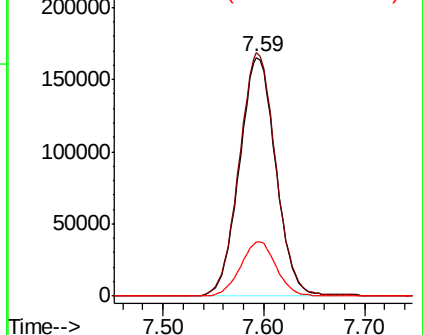


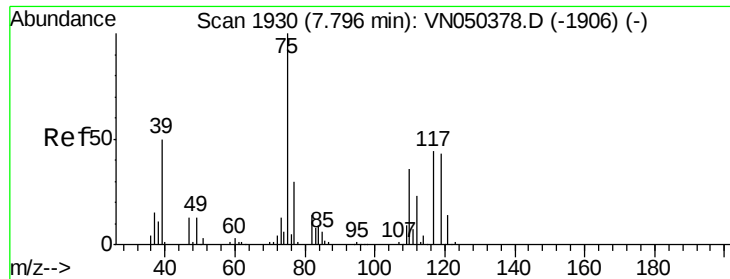
#35  
 Dibromofluoromethane  
 Concen: 48.74 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050567.D  
 Acq: 13 Aug 2018 14:43

Tgt Ion:113 Resp: 412803  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 80.7 121.1  
 192 22.5 17.8 26.6



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: 3.95 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampled :

PB111961TB

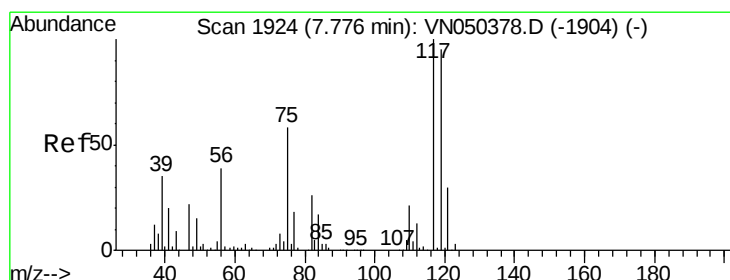
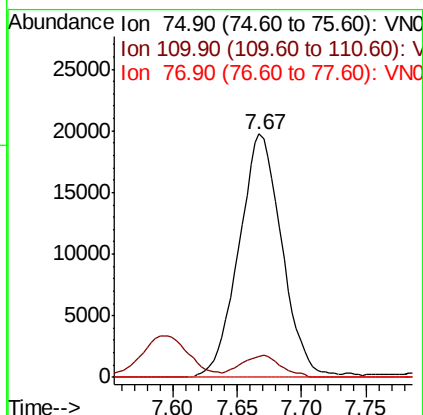
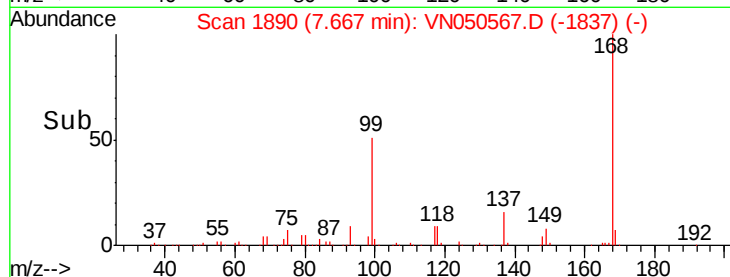
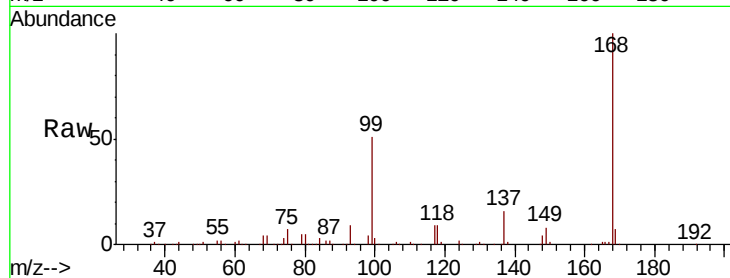
Tot Ion: 75 Resp: 45780

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.92 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

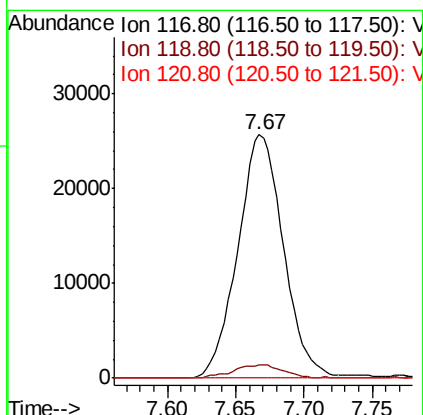
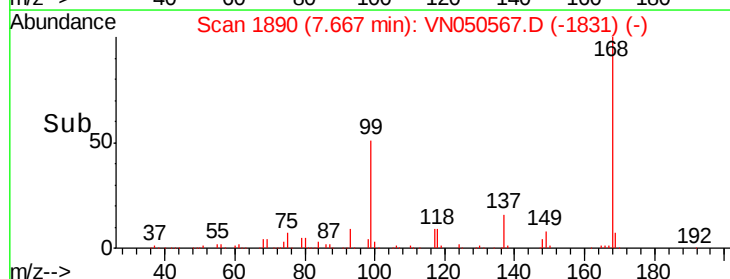
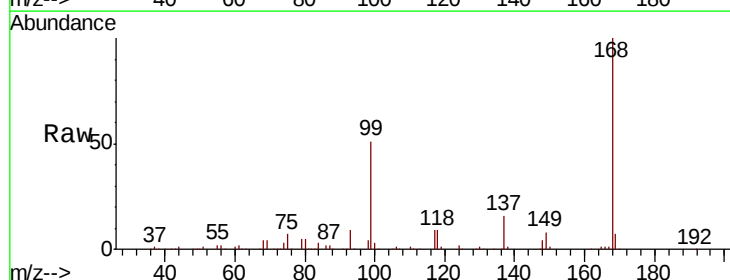
Tgt Ion: 117 Resp: 59576

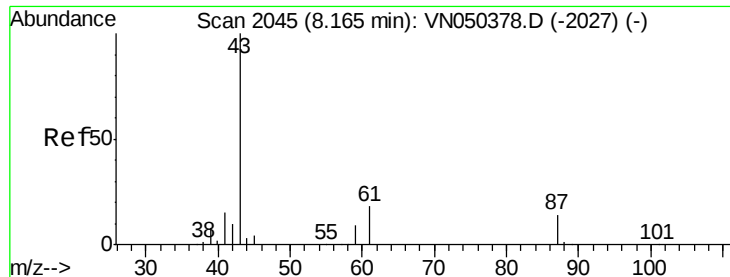
Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 15.22 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampleId :

PB111961TB

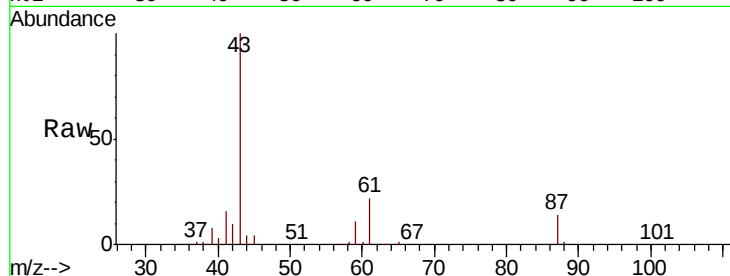
Tot Ion: 43 Resp: 219467

Ion Ratio Lower Upper

43 100

61 21.0 15.8 23.6

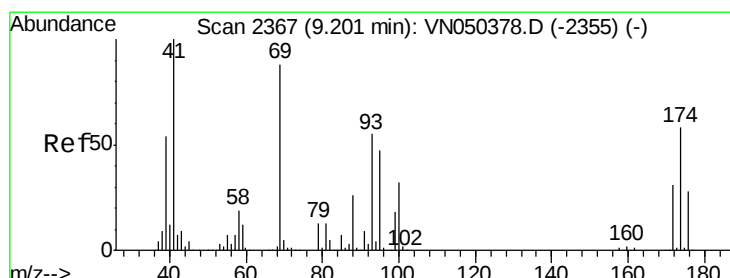
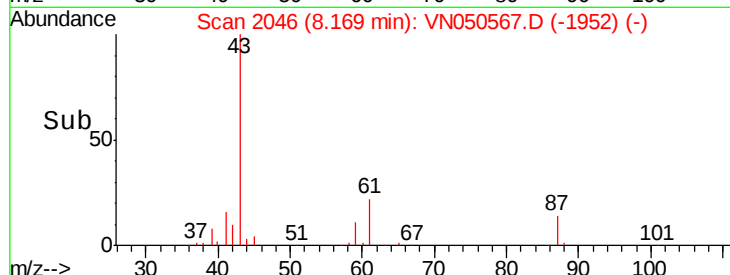
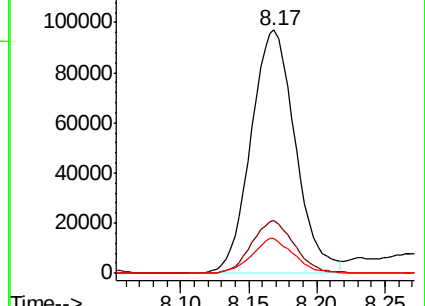
87 13.4 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.01 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

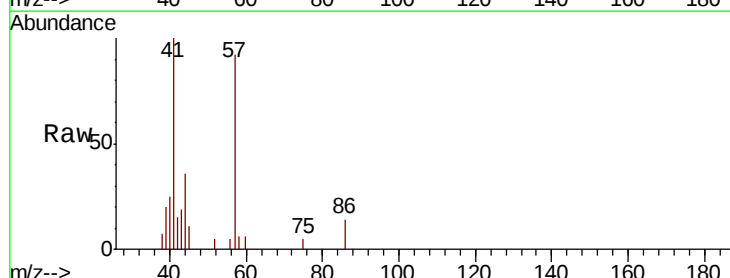
Tgt Ion: 41 Resp: 7328

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

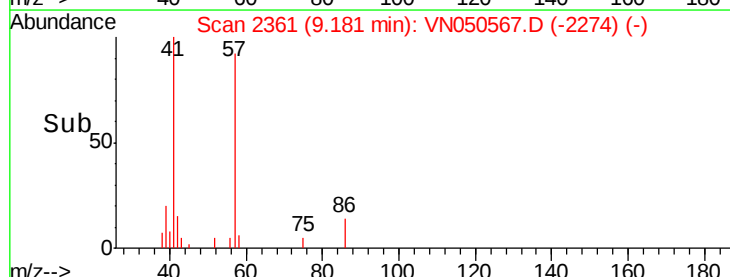
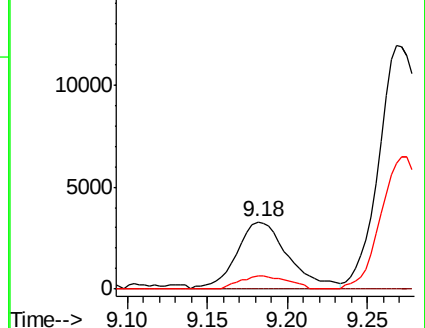
39 17.8 43.9 65.9#

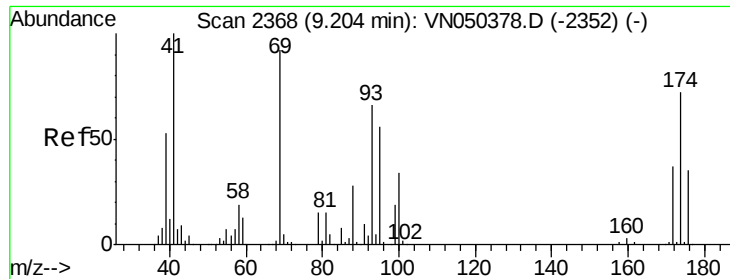


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 0.54 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.01 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampled :

PB111961TB

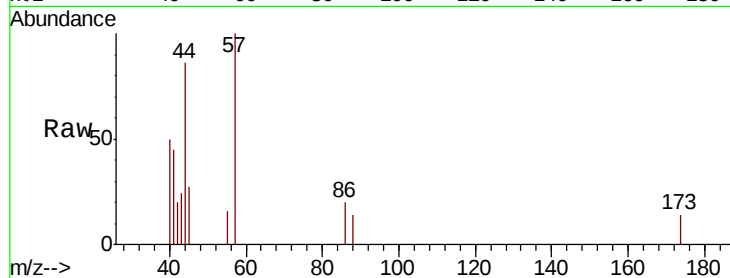
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 26.9 40.3#

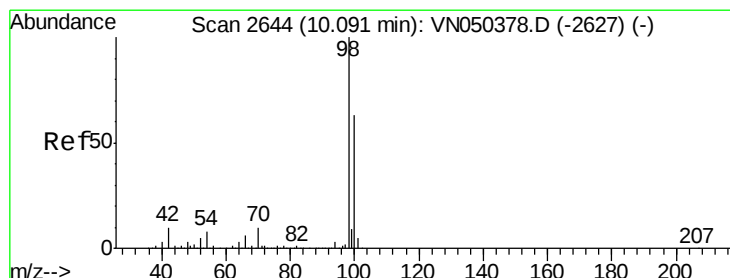
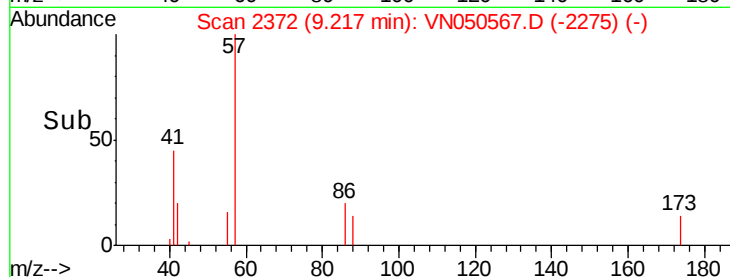
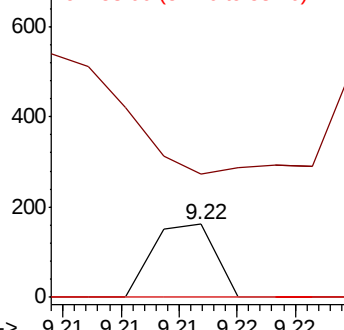
58 0.0 57.3 85.9#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 46.40 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050567.D

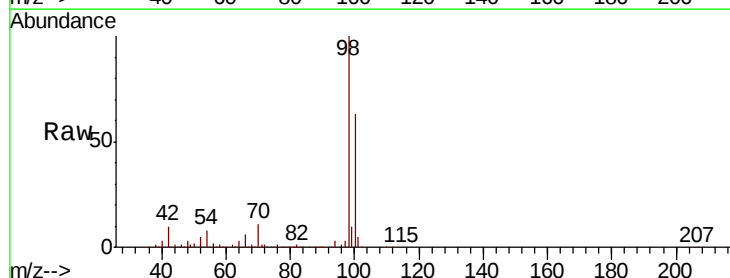
Acq: 13 Aug 2018 14:43

Tgt Ion: 98 Resp: 1477449

Ion Ratio Lower Upper

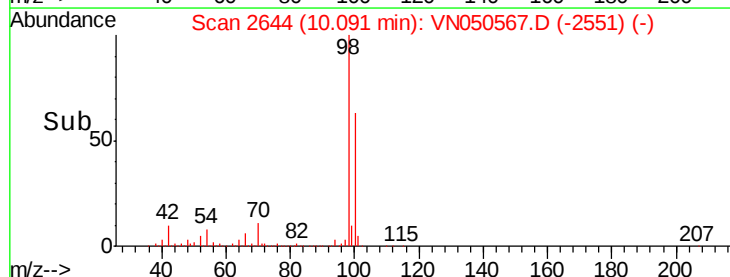
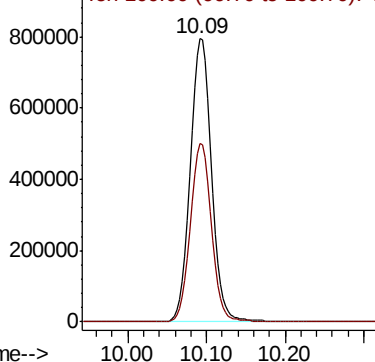
98 100

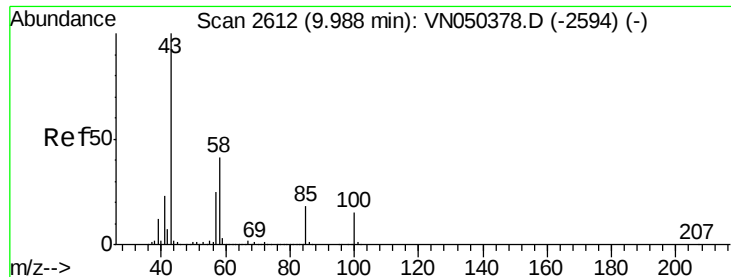
100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

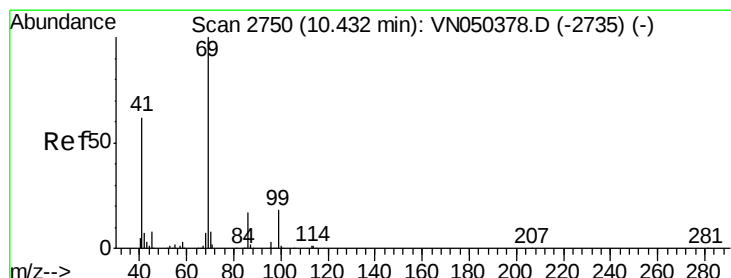
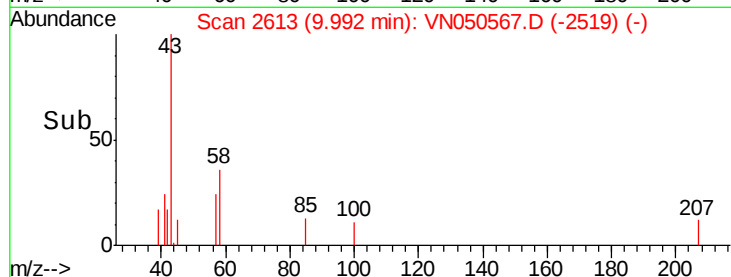
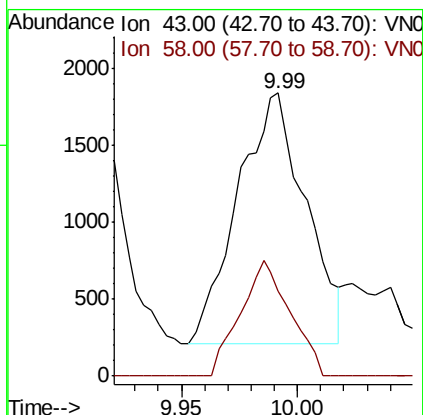
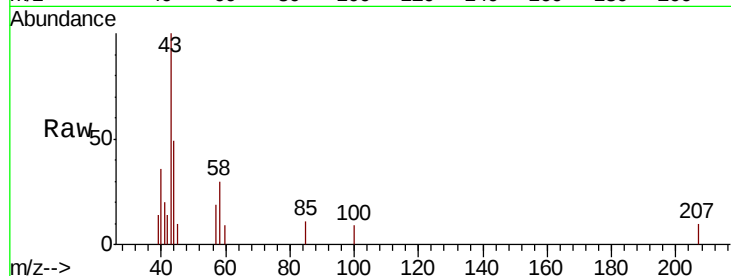




#51  
4-Methyl-2-Pentanone  
Concen: 0.32 ug/l  
RT: 9.99 min Scan# 2613  
Delta R.T. 0.00 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

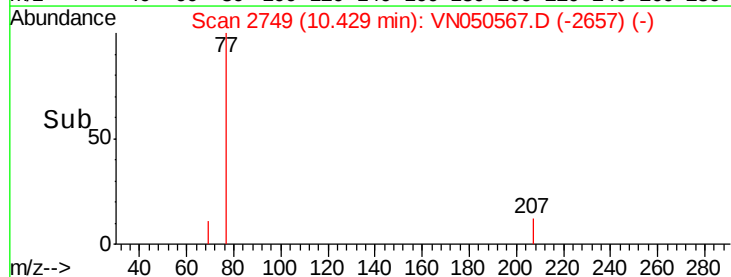
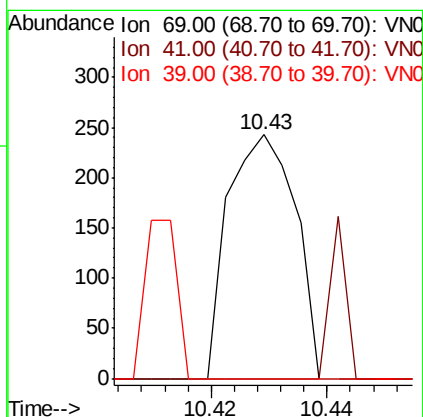
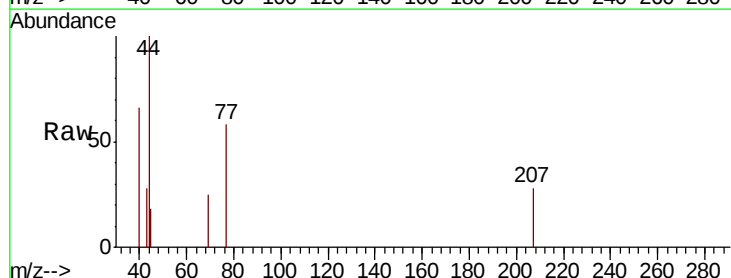
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111961TB

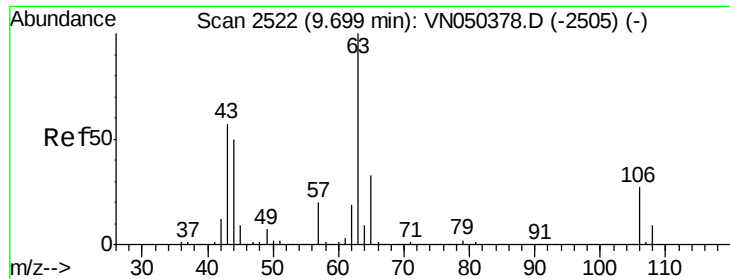
Tot Ion: 43 Resp: 3318  
Ion Ratio Lower Upper  
43 100  
58 33.8 31.9 47.9



#56  
Ethyl methacrylate  
Concen: 1.73 ug/l  
RT: 10.43 min Scan# 2749  
Delta R.T. -0.00 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

Tgt Ion: 69 Resp: 195  
Ion Ratio Lower Upper  
69 100  
41 0.0 51.0 76.4#  
39 31.3 26.6 40.0

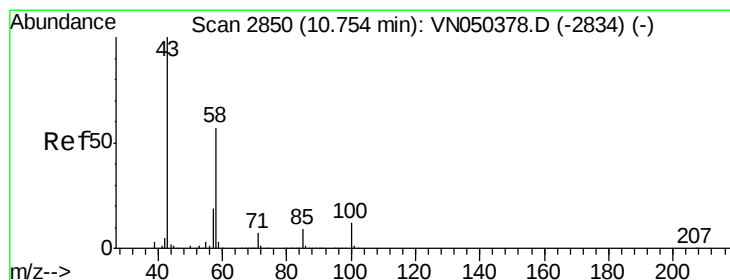
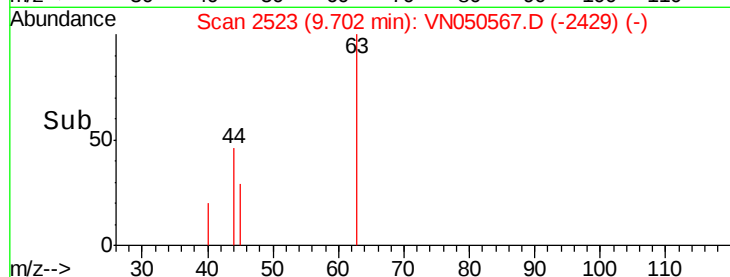
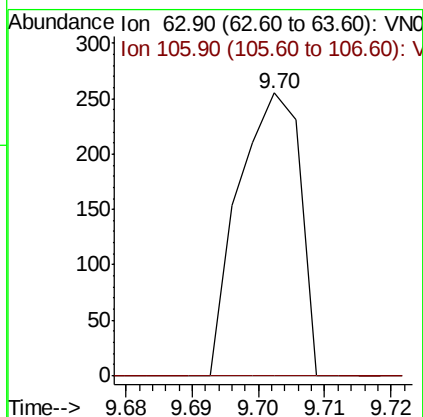
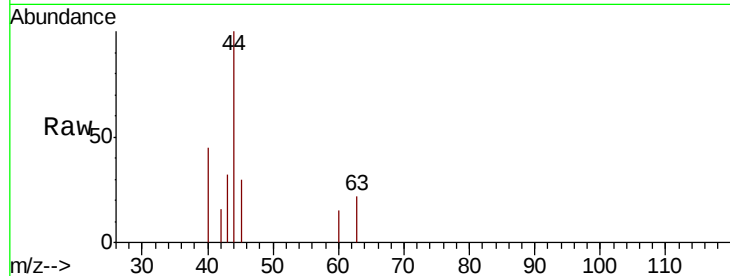




#58  
2-Chloroethyl Vinyl ether  
Concen: 7.42 ug/l  
RT: 9.70 min Scan# 2523  
Delta R.T. 0.00 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

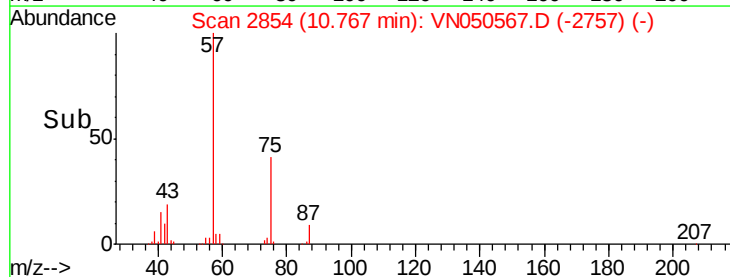
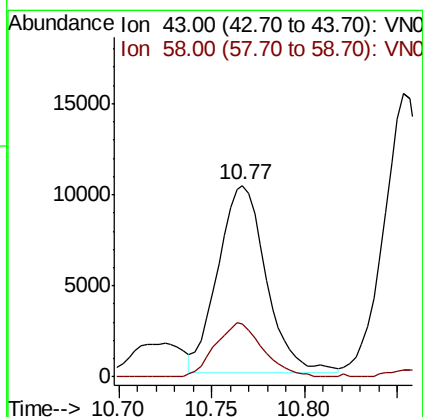
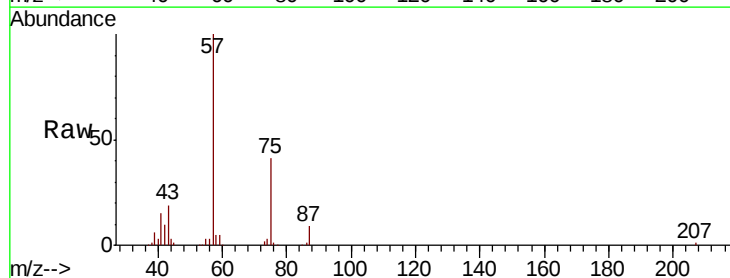
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111961TB

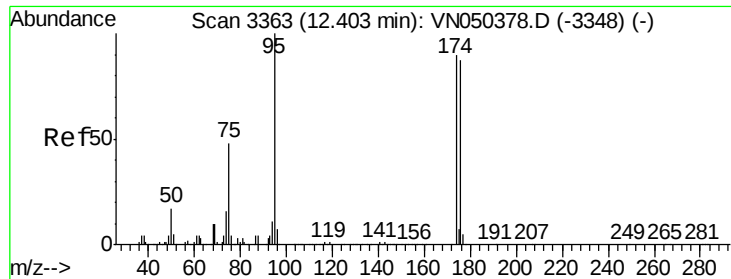
Tot Ion: 63 Resp: 164  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.7 32.5#



#59  
2-Hexanone  
Concen: 2.56 ug/l  
RT: 10.77 min Scan# 2854  
Delta R.T. 0.01 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

Tgt Ion: 43 Resp: 18522  
Ion Ratio Lower Upper  
43 100  
58 28.5 27.6 82.7

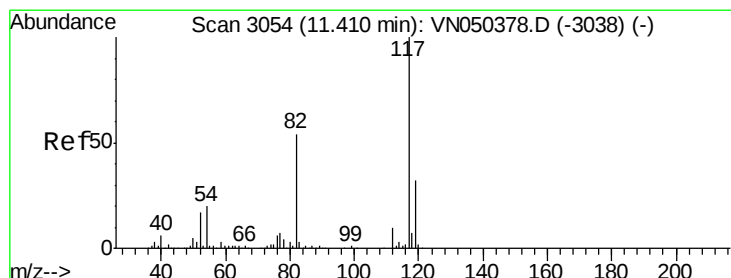
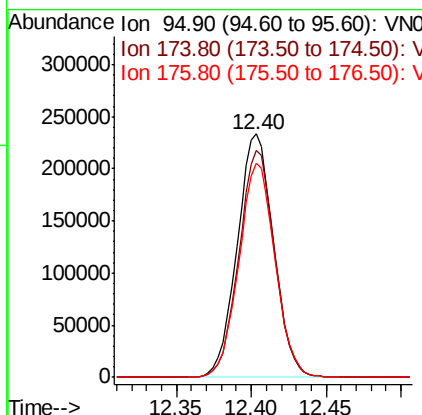
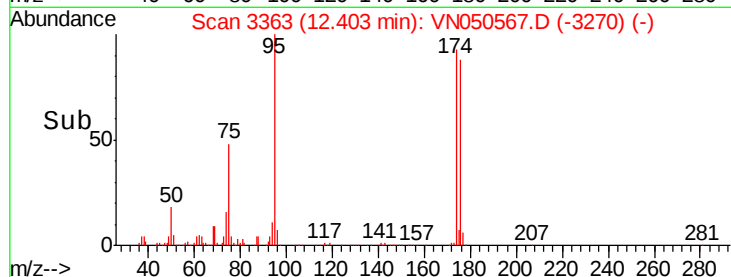
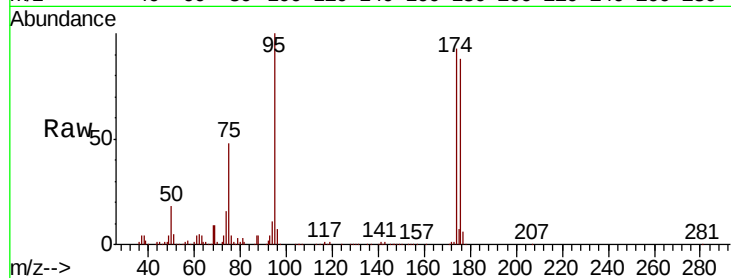




#62  
4-Bromofluorobenzene  
Concen: 36.42 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

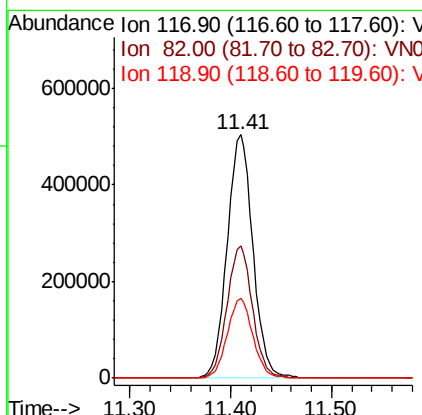
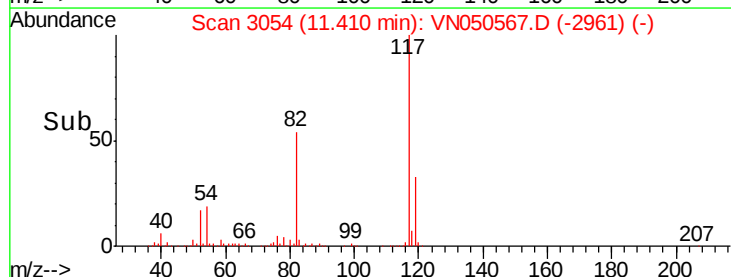
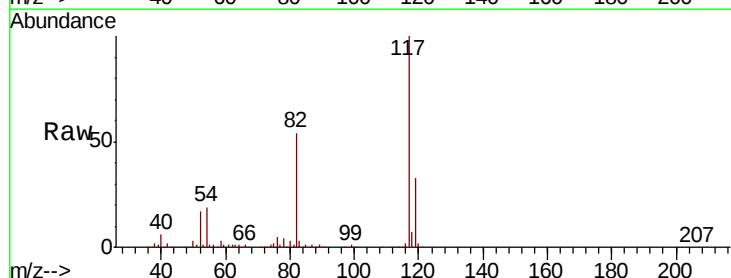
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111961TB

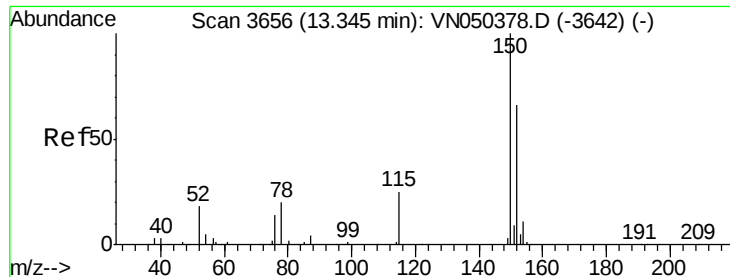
Tot Ion: 95 Resp: 395226  
Ion Ratio Lower Upper  
95 100  
174 91.7 0.0 178.2  
176 87.3 0.0 173.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050567.D  
Acq: 13 Aug 2018 14:43

Tgt Ion: 117 Resp: 899042  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.7 65.5  
119 32.8 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampleId :

PB111961TB

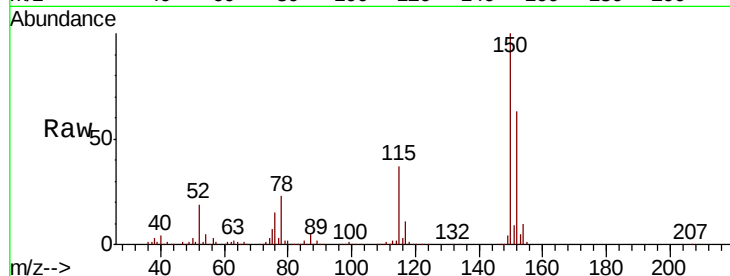
Tot Ion:152 Resp: 327105

Ion Ratio Lower Upper

152 100

115 57.3 27.8 83.3

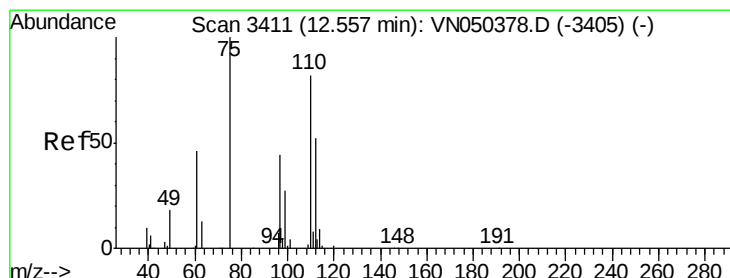
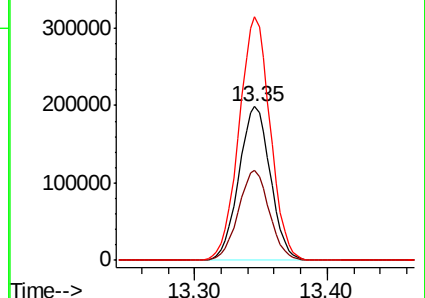
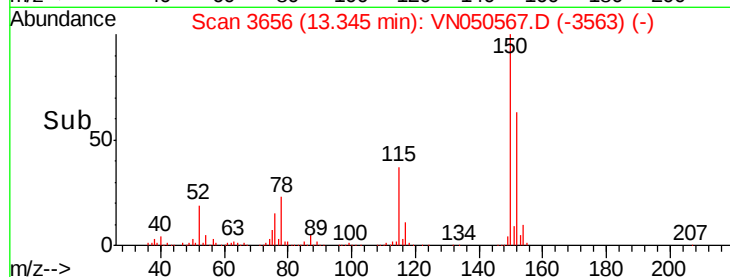
150 156.8 0.0 348.6



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: 32.16 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050567.D

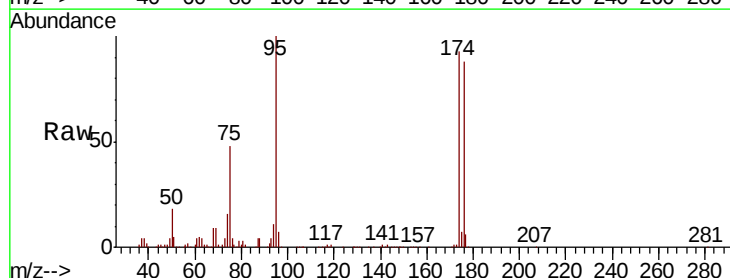
Acq: 13 Aug 2018 14:43

Tgt Ion: 75 Resp: 190430

Ion Ratio Lower Upper

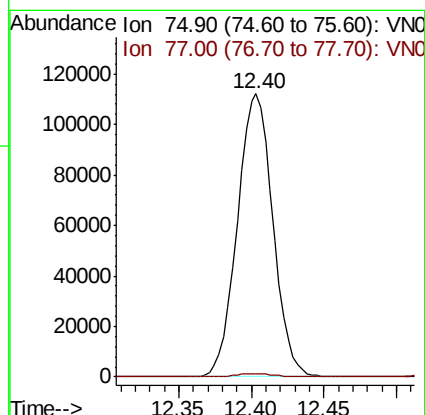
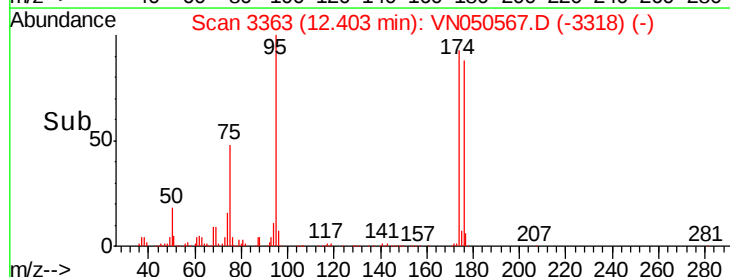
75 100

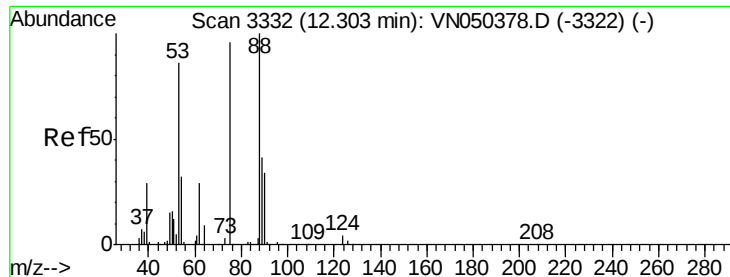
77 1.2 0.0 0.0#



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: 113.00 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampled :

PB111961TB

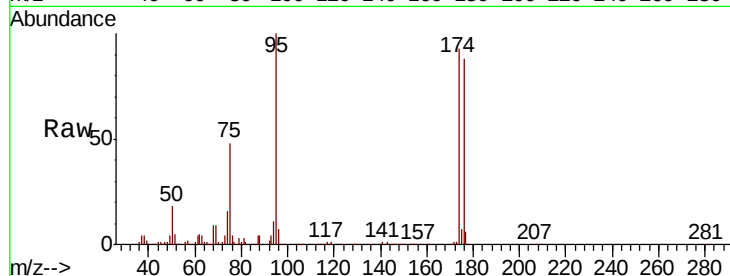
Tot Ion: 75 Resp: 190430

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

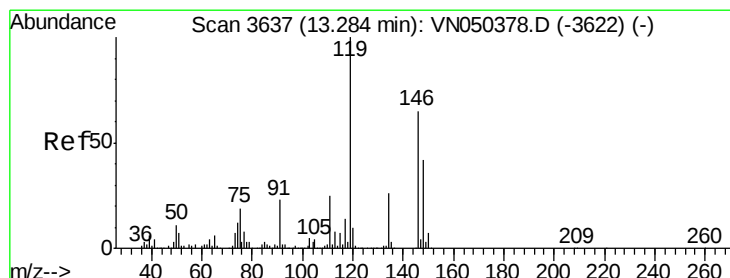
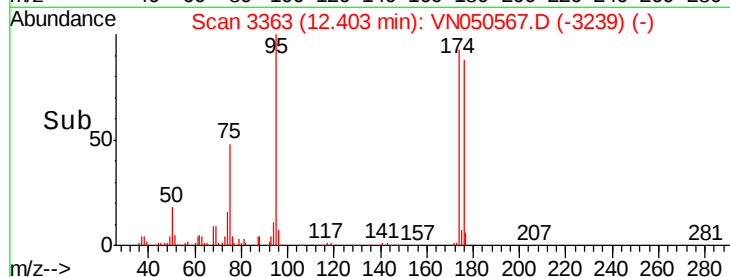
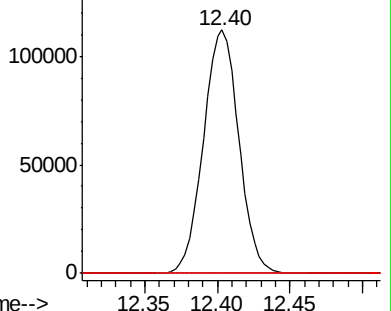
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN050378.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN050378.D (-3322) (-)



#87

1,3-Dichlorobenzene

Concen: 0.21 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

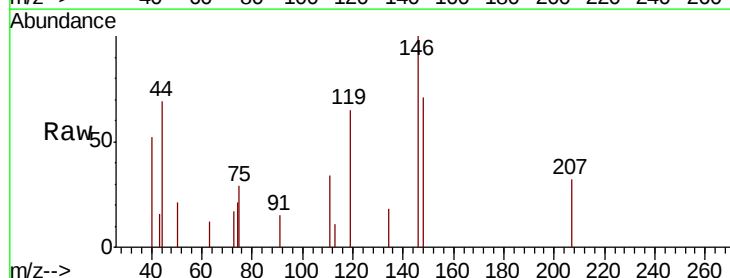
Tgt Ion: 146 Resp: 2450

Ion Ratio Lower Upper

146 100

111 15.5 18.8 56.4#

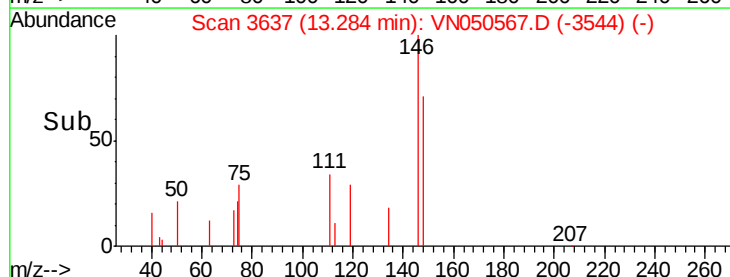
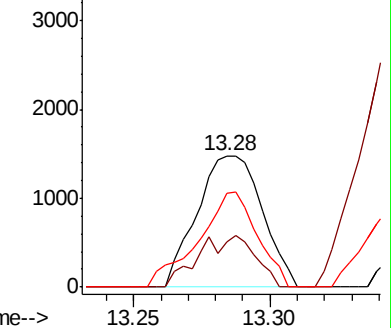
148 65.1 31.9 95.9

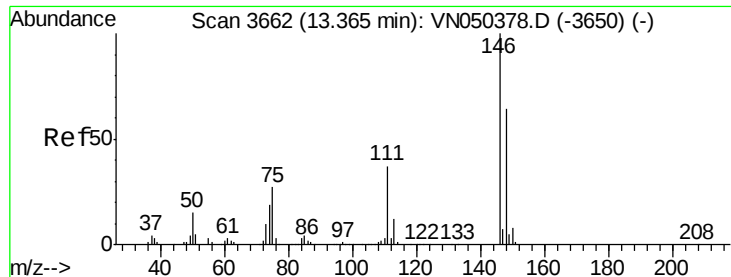


Abundance Ion 145.90 (145.60 to 146.60): VN050378.D (-3622) (-)

Ion 110.90 (110.60 to 111.60): VN050378.D (-3622) (-)

Ion 147.90 (147.60 to 148.60): VN050378.D (-3622) (-)

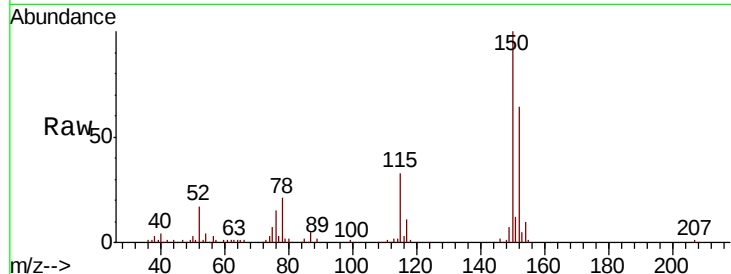




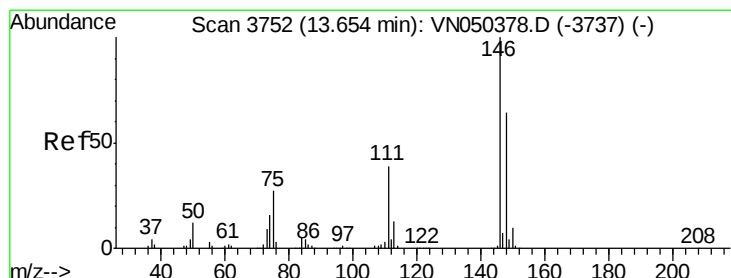
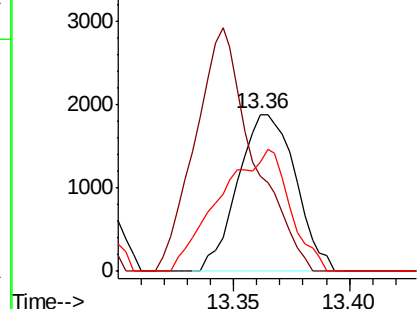
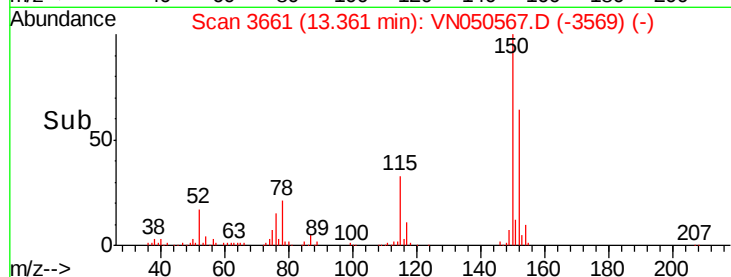
#88  
 1,4-Dichlorobenzene  
 Concen: 0.28 ug/l  
 RT: 13.36 min Scan# 3661  
 Delta R.T. -0.00 min  
 Lab File: VN050567.D  
 Acq: 13 Aug 2018 14:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111961TB

Tot Ion:146 Resp: 3239  
 Ion Ratio Lower Upper  
 146 100  
 111 156.8 18.3 54.9#  
 148 94.7 31.9 95.9

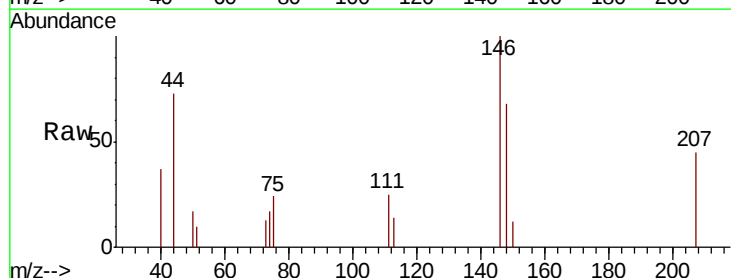


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

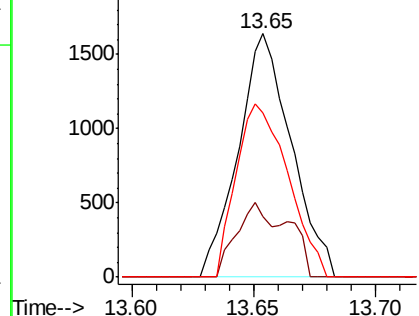
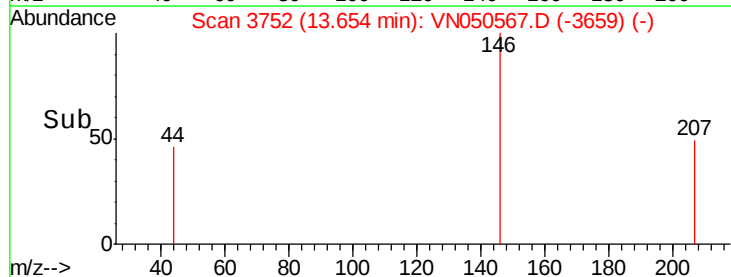


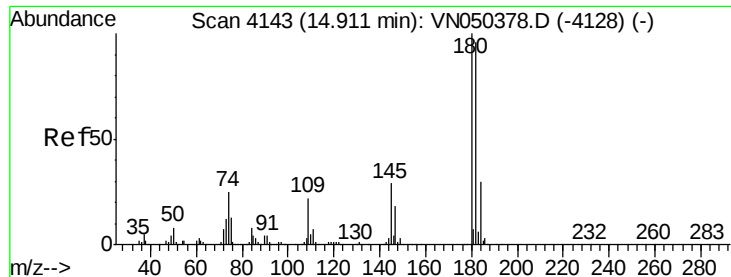
#91  
 1,2-Dichlorobenzene  
 Concen: 0.21 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. 0.00 min  
 Lab File: VN050567.D  
 Acq: 13 Aug 2018 14:43

Tgt Ion:146 Resp: 2464  
 Ion Ratio Lower Upper  
 146 100  
 111 21.7 19.6 58.7  
 148 69.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

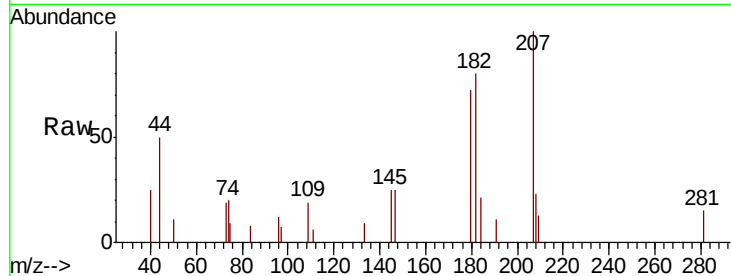




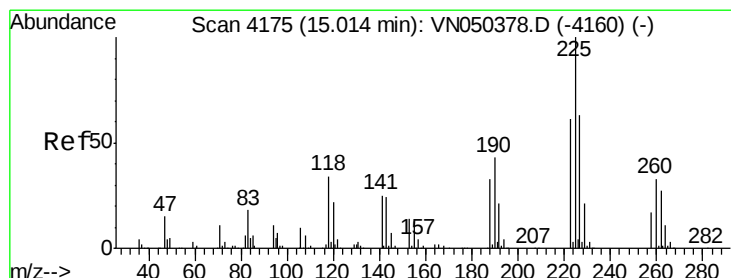
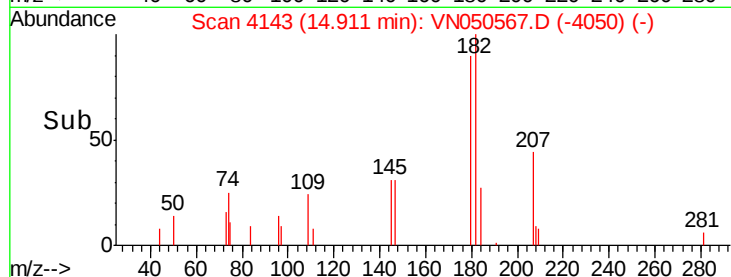
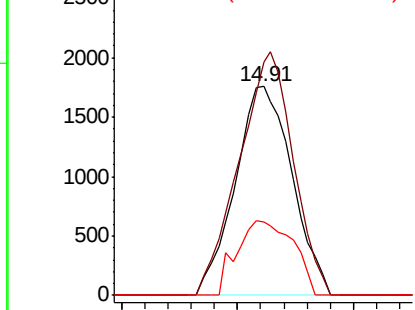
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.50 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN050567.D  
 Acq: 13 Aug 2018 14:43

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PB111961TB

Tot Ion:180 Resp: 2994  
 Ion Ratio Lower Upper  
 180 100  
 182 111.1 46.7 140.1  
 145 35.4 13.8 41.4

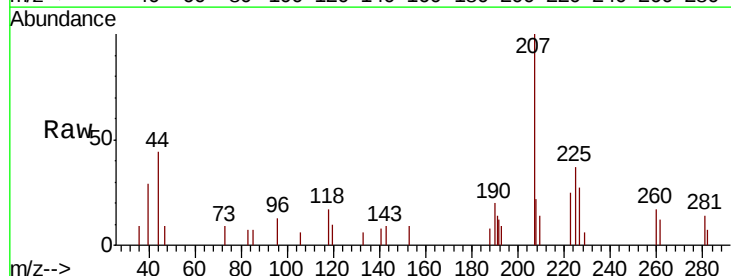


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

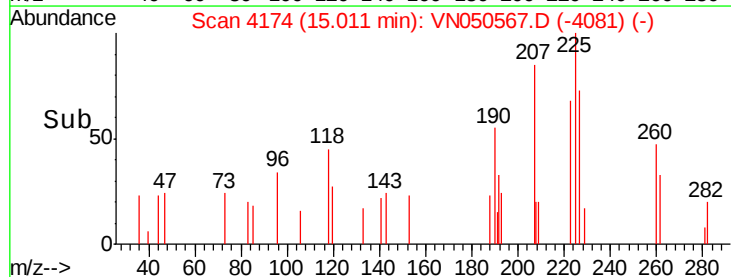
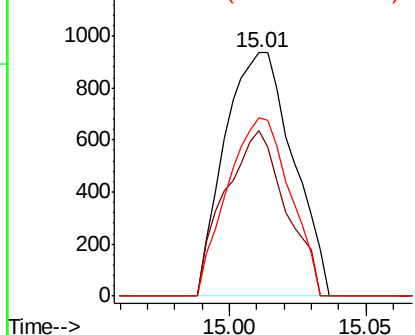


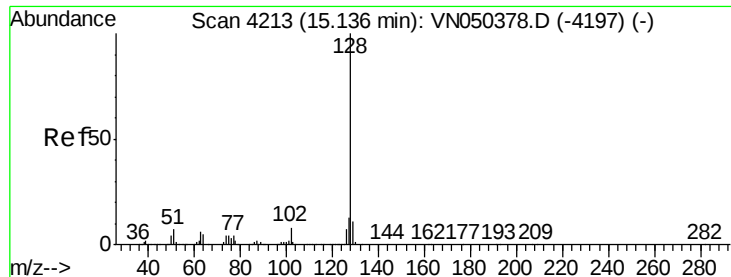
#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN050567.D  
 Acq: 13 Aug 2018 14:43

Tgt Ion:225 Resp: 1625  
 Ion Ratio Lower Upper  
 225 100  
 223 60.9 31.4 94.2  
 227 67.3 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.12 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

Instrument :

MSVOA\_N

ClientSampled :

PB111961TB

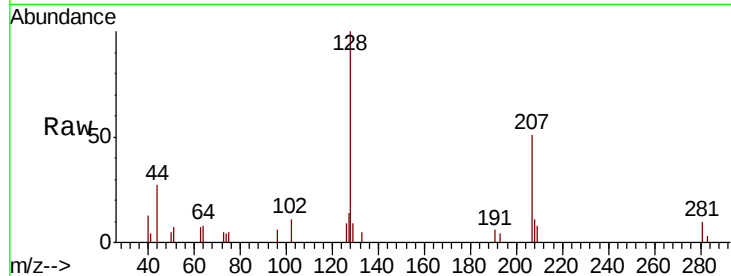
Tot Ion:128 Resp: 8616

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

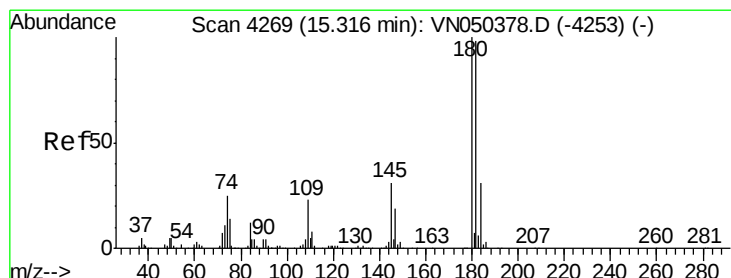
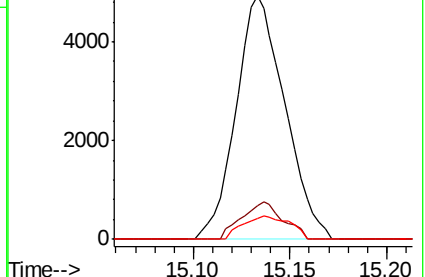
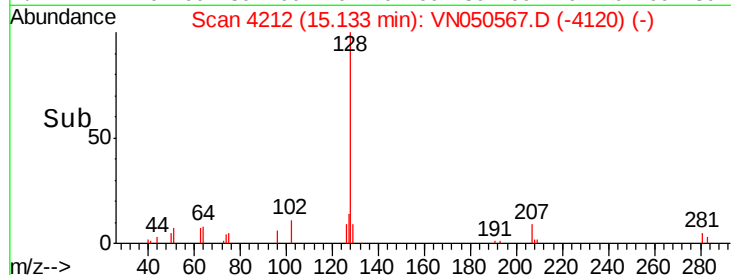
129 9.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.66 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050567.D

Acq: 13 Aug 2018 14:43

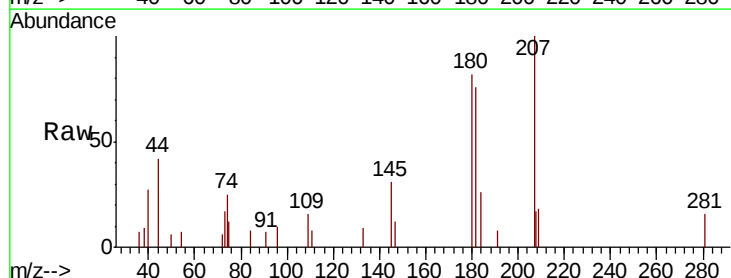
Tgt Ion:180 Resp: 3994

Ion Ratio Lower Upper

180 100

182 89.1 48.1 144.4

145 33.6 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

