

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\  
 Data File : VN051317.D  
 Acq On : 19 Sep 2018 14:25  
 Operator : MD\SY  
 Sample : J4937-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 20 01:42:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 18 06:04:06 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 559051   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 834140   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 678677   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 199445   | 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   | 313025   | 51.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.04% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 324094   | 50.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.00% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1130048  | 47.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.32%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 278200   | 36.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 73.02%  |          |

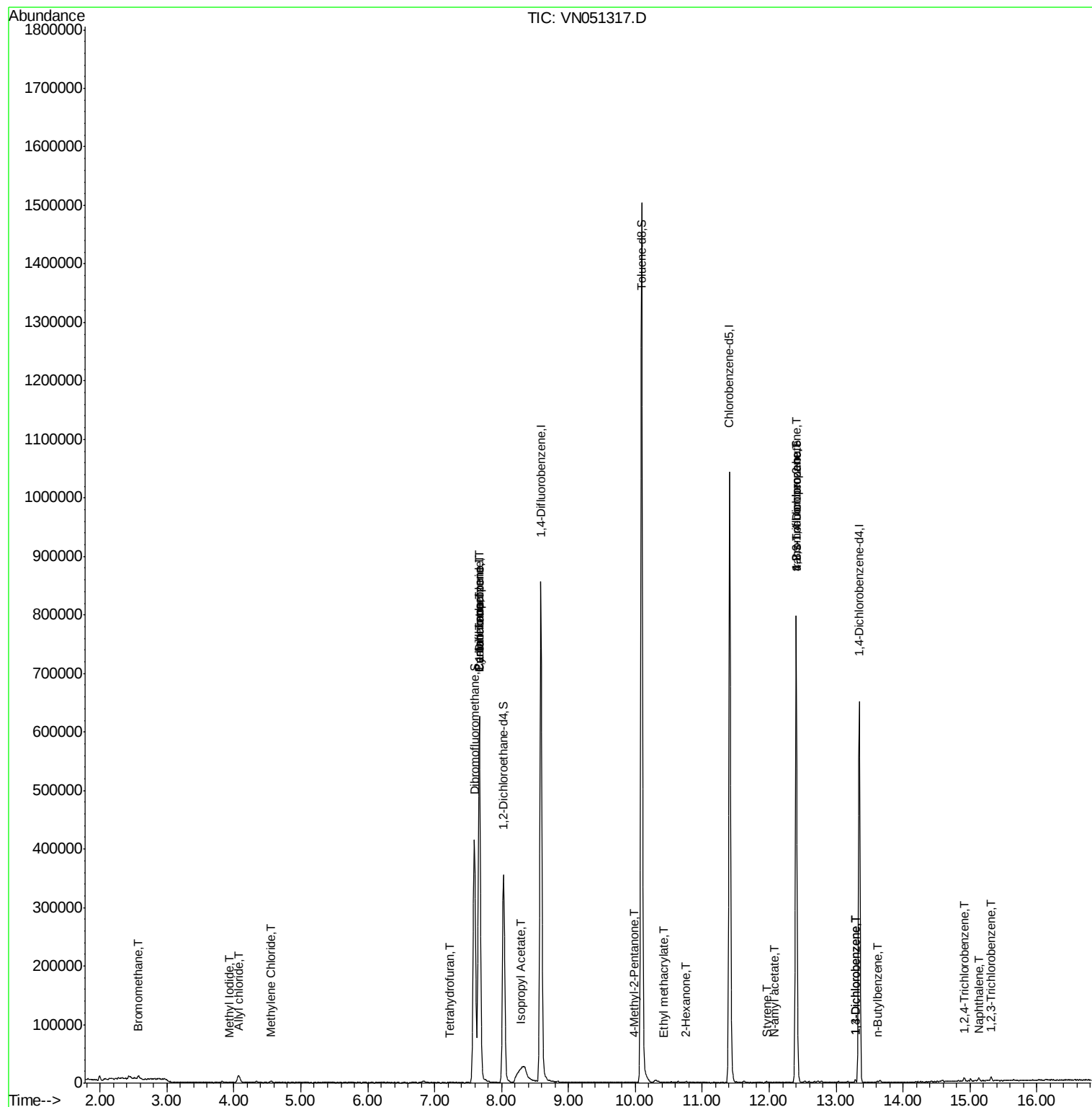
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 2.06  | 50   | 1854     | Below Cal |        | 93     |
| 5) Bromomethane                | 2.57  | 94   | 2592     | 1.12      | ug/l   | 85     |
| 10) Methyl Iodide              | 3.94  | 142  | 215      | 6.14      | ug/l # | 51     |
| 14) Allyl chloride             | 4.07  | 41   | 2024     | 0.24      | ug/l # | 1      |
| 16) Acetone                    | 3.83  | 43   | 2965     | Below Cal |        | 92     |
| 20) Methylene Chloride         | 4.55  | 84   | 1798     | 0.27      | ug/l   | 96     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 290      | 0.24      | ug/l # | 38     |
| 31) Cyclohexane                | 7.67  | 56   | 8681     | 0.82      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 34031    | 3.77      | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 47363    | 5.03      | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.28  | 43   | 30468    | 3.79      | ug/l # | 58     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1218     | 0.29      | ug/l # | 33     |
| 56) Ethyl methacrylate         | 10.43 | 69   | 97       | 2.08      | ug/l # | 29     |
| 59) 2-Hexanone                 | 10.75 | 43   | 778      | 0.29      | ug/l   | 71     |
| 70) Styrene                    | 11.97 | 104  | 1180     | 1.31      | ug/l # | 67     |
| 74) N-amyl acetate             | 12.08 | 43   | 941      | 0.27      | ug/l # | 49     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 433      | Below Cal | #      | 58     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 128710   | 47.04     | ug/l # | 100    |
| 77) Bromobenzene               | 12.53 | 156  | 701      | Below Cal |        | 76     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 128710   | 143.33    | ug/l # | 15     |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 2059     | 0.28      | ug/l   | 92     |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 2059     | 0.70      | ug/l   | 93     |
| 89) n-Butylbenzene             | 13.62 | 91   | 1571     | 2.16      | ug/l   | 88     |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 2151     | Below Cal |        | 98     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 2878     | 5.80      | ug/l   | 93     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 1067     | Below Cal |        | 91     |
| 95) Naphthalene                | 15.13 | 128  | 5772     | 6.74      | ug/l   | 100    |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 3038     | 4.74      | ug/l   | 89     |

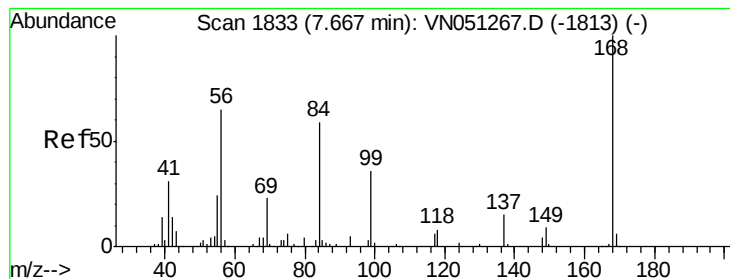
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091918\  
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Sample : J4937-01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Sep 20 01:42:49 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091718W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 18 06:04:06 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

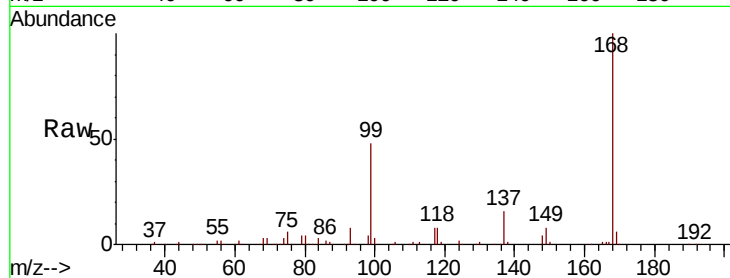
ClientSampleId :

Tot Ion:168 Resp: 559051

Ion Ratio Lower Upper

168 100

99 47.8 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051317.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051317.D (-1740) (-)

7.67

250000

200000

150000

100000

50000

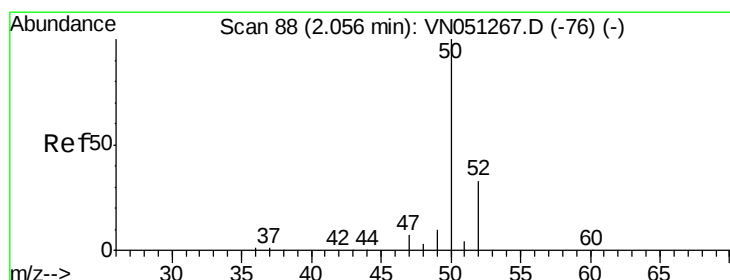
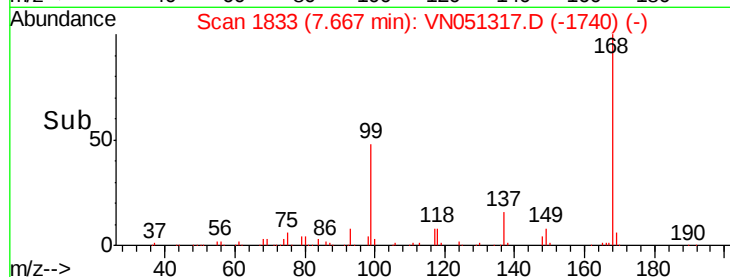
0

7.60

7.70

7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051317.D

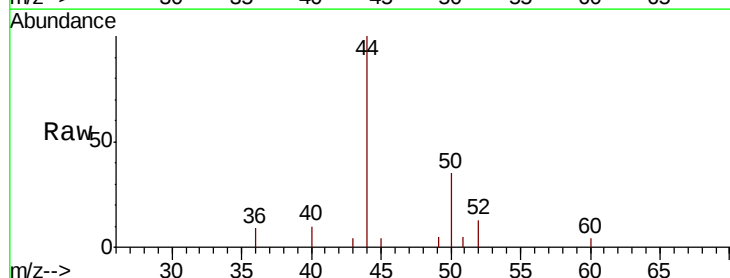
Acq: 19 Sep 2018 14:25

Tgt Ion: 50 Resp: 1854

Ion Ratio Lower Upper

50 100

52 37.3 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN051317.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN051317.D (-1) (-)

2.06

1500

1000

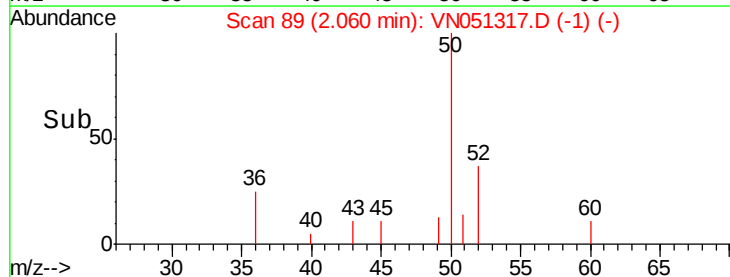
500

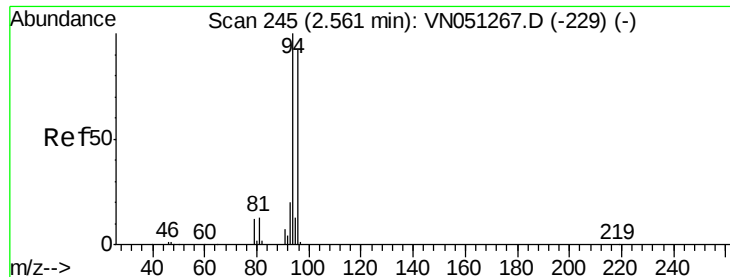
0

2.05

2.10

Time-->





#5

Bromomethane

Concen: 1.12 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

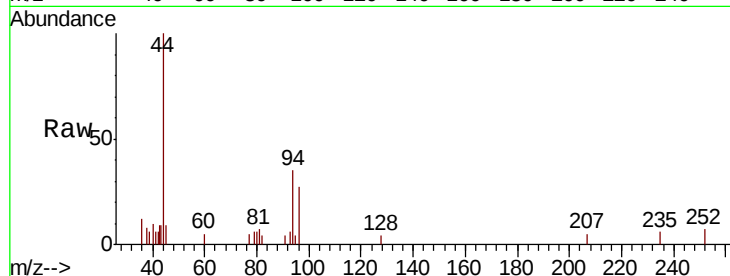
ClientSampled :

Tot Ion: 94 Resp: 2592

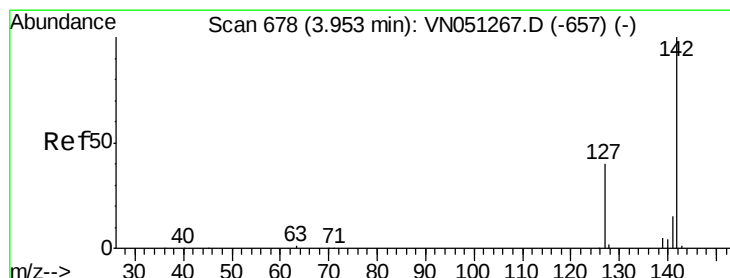
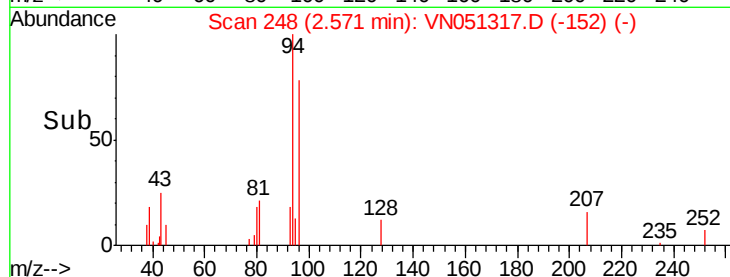
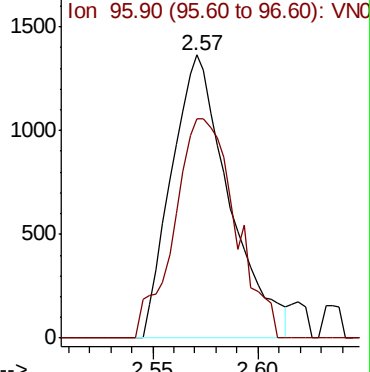
Ion Ratio Lower Upper

94 100

96 77.6 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051317.D (-152) (-)



#10

Methyl Iodide

Concen: 6.14 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.02 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

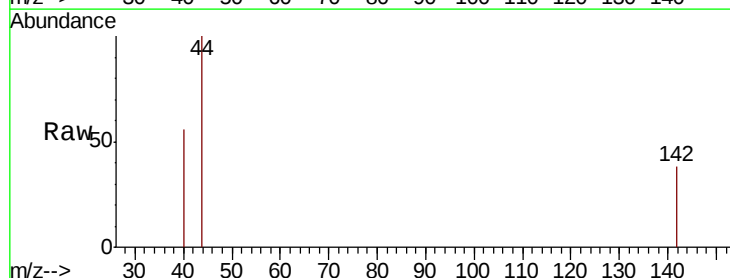
Tgt Ion: 142 Resp: 215

Ion Ratio Lower Upper

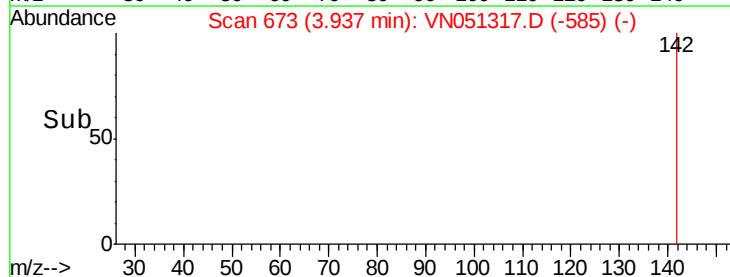
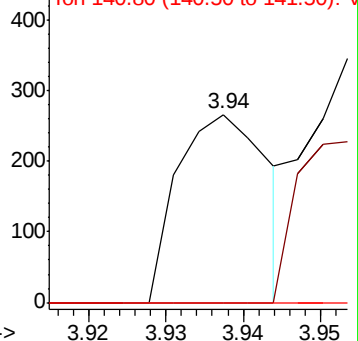
142 100

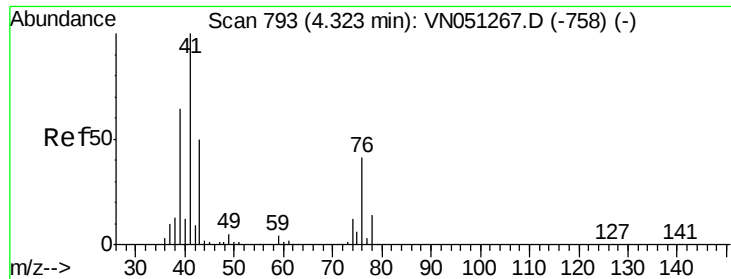
127 73.0 31.7 47.5#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN051317.D (-585) (-)

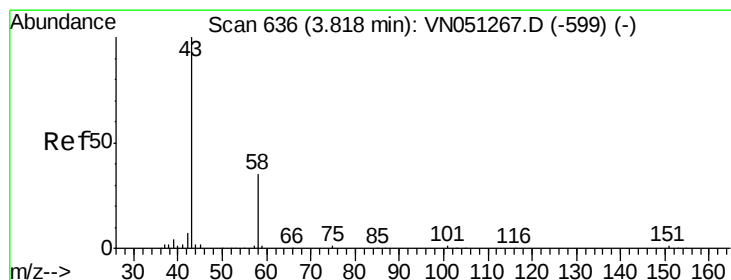
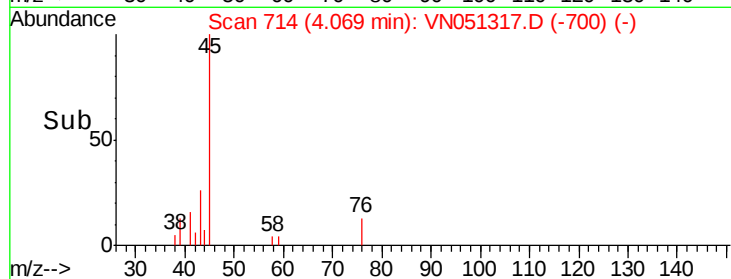
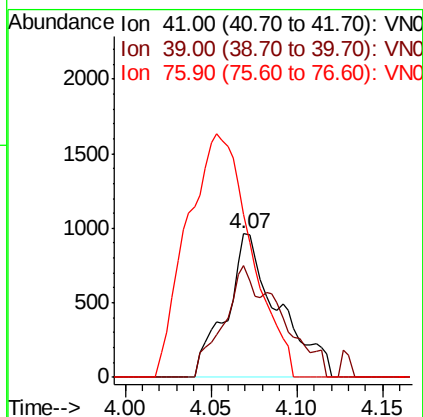
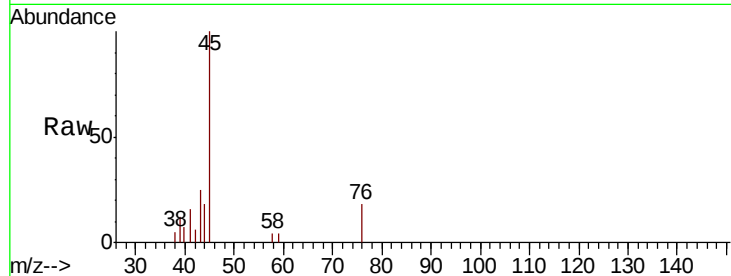




#14  
Allvl chloride  
Concen: 0.24 ug/l  
RT: 4.07 min Scan# 714  
Delta R.T. -0.25 min  
Lab File: VN051317.D  
Acq: 19 Sep 2018 14:25

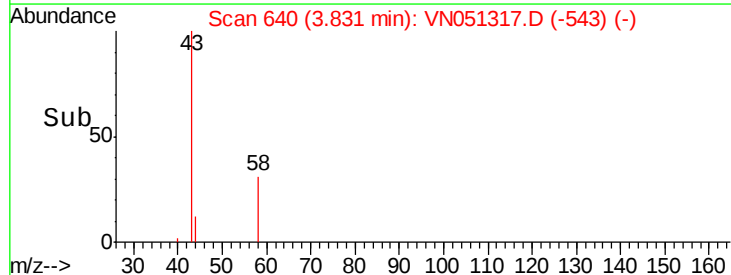
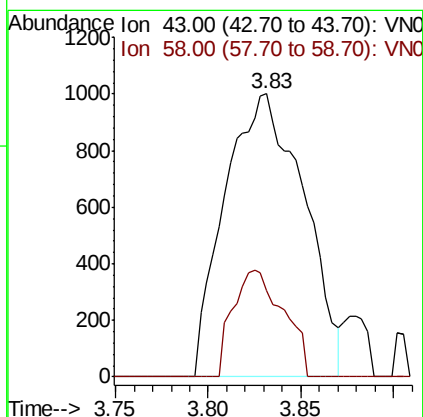
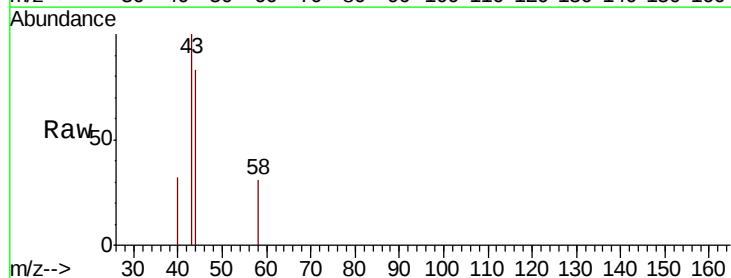
Instrument :  
MSVOA\_N  
ClientSampled :

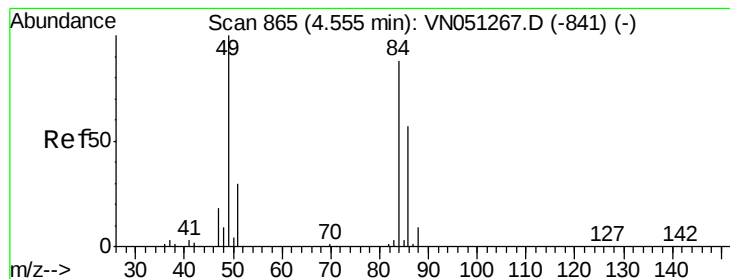
Tot Ion: 41 Resp: 2024  
Ion Ratio Lower Upper  
41 100  
39 50.5 49.0 73.4  
76 191.0 31.4 47.0#



#16  
Acetone  
Concen: Below Cal  
RT: 3.83 min Scan# 640  
Delta R.T. 0.01 min  
Lab File: VN051317.D  
Acq: 19 Sep 2018 14:25

Tgt Ion: 43 Resp: 2965  
Ion Ratio Lower Upper  
43 100  
58 30.6 28.2 42.2





#20

Methvlene Chloride

Concen: 0.27 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 84 Resp: 1798

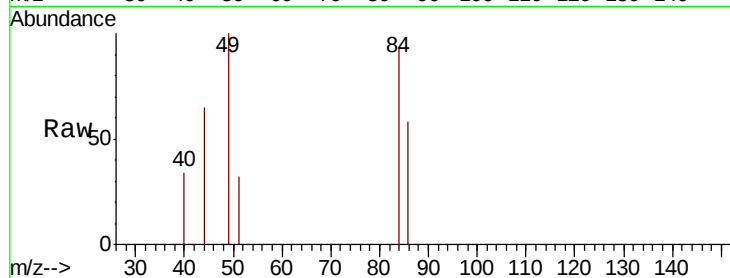
Ion Ratio Lower Upper

84 100

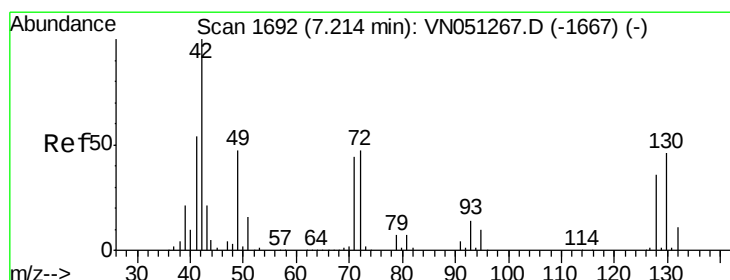
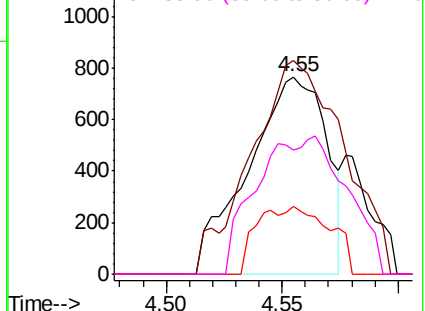
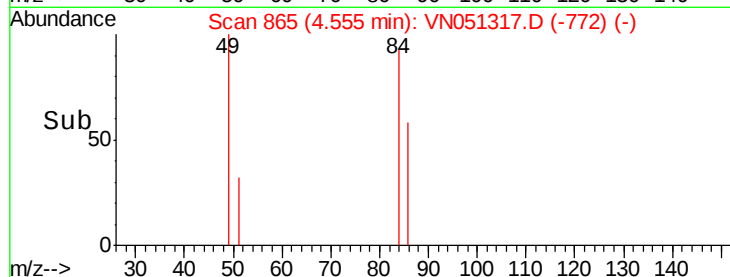
49 108.1 91.2 136.8

51 34.6 27.7 41.5

86 63.0 52.0 78.0



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



#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

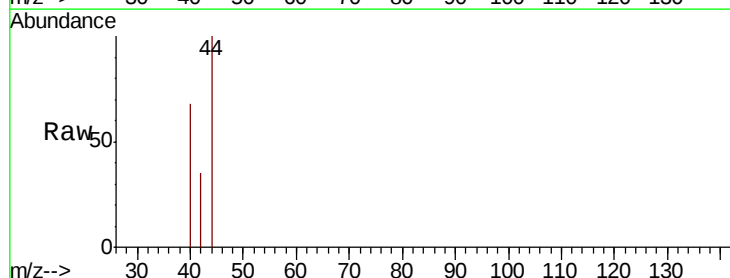
Tgt Ion: 42 Resp: 290

Ion Ratio Lower Upper

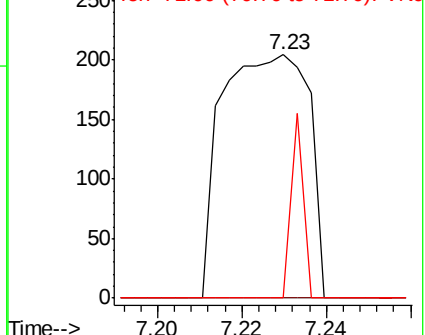
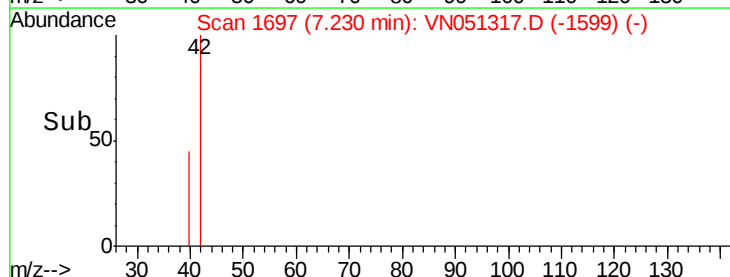
42 100

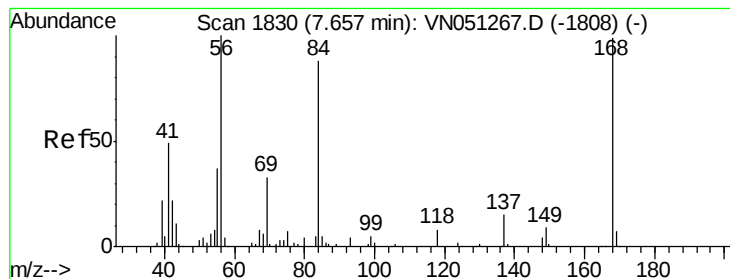
72 0.0 37.6 56.4#

71 10.3 35.4 53.2#



Abundance Ion 42.00 (41.70 to 42.70): VNC  
Ion 72.00 (71.70 to 72.70): VNC  
Ion 71.00 (70.70 to 71.70): VNC





#31

Cyclohexane

Concen: 0.82 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :  
MSVOA\_N  
ClientSampled :

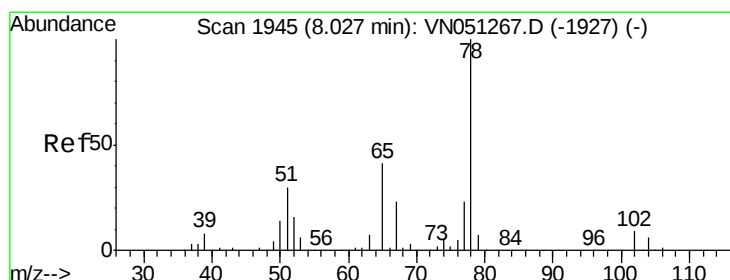
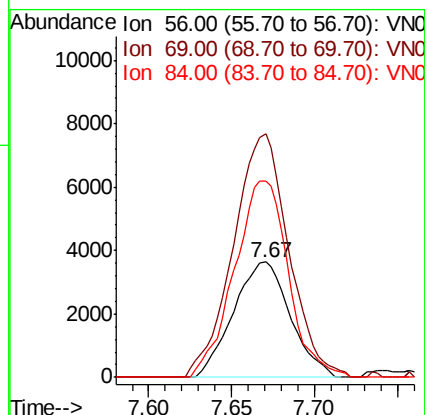
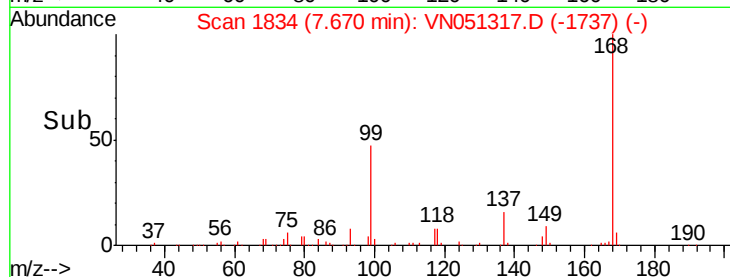
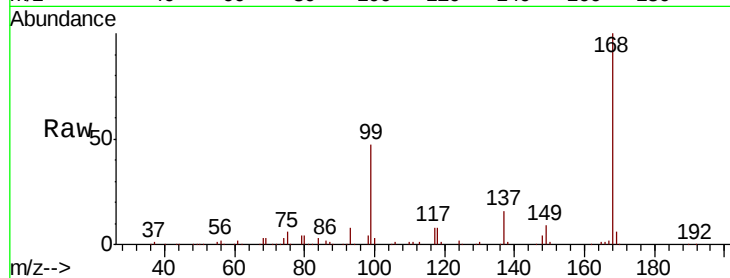
Tot Ion: 56 Resp: 8681

Ion Ratio Lower Upper

56 100

69 204.7 26.2 39.2#

84 170.2 70.6 106.0#



#33

1,2-Dichloroethane-d4

Concen: 51.52 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051317.D

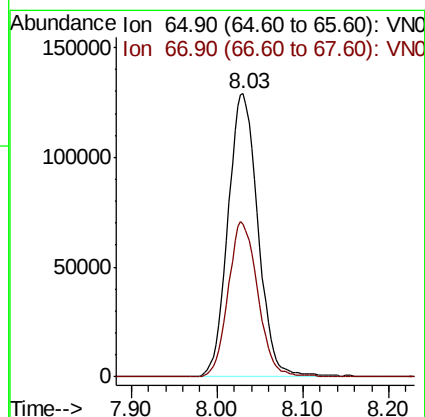
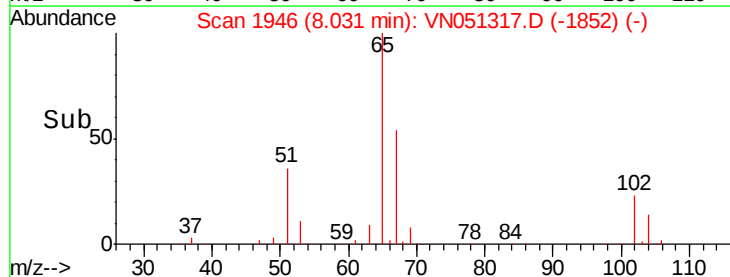
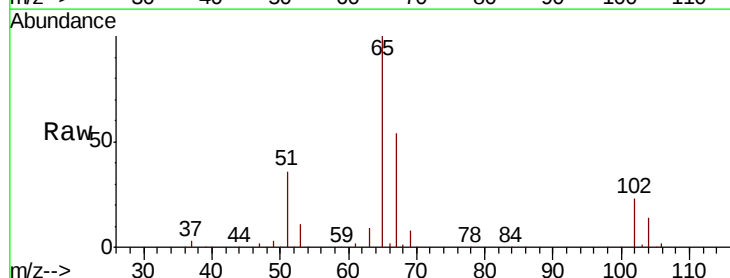
Acq: 19 Sep 2018 14:25

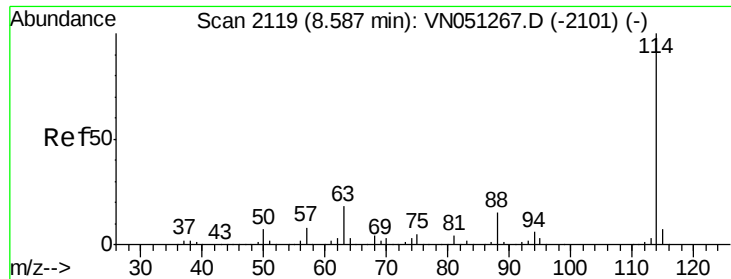
Tgt Ion: 65 Resp: 313025

Ion Ratio Lower Upper

65 100

67 54.2 0.0 111.0

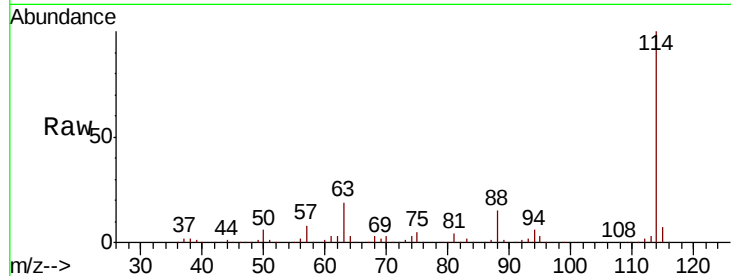




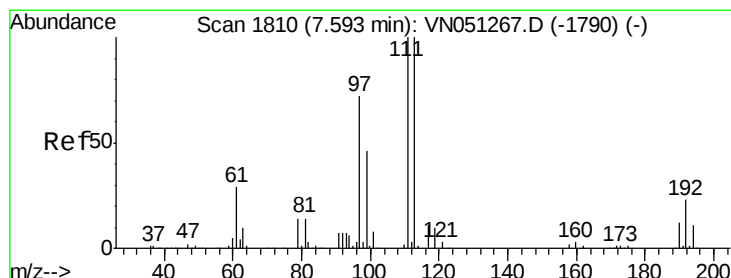
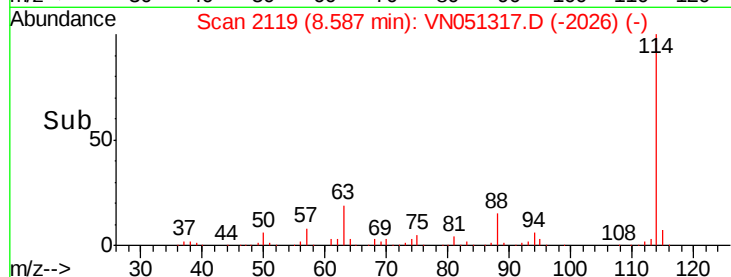
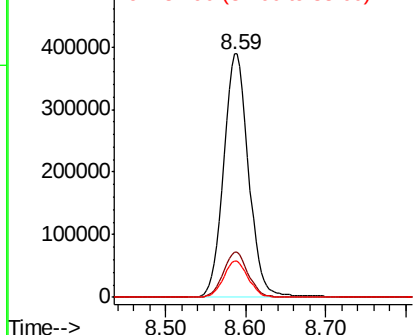
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051317.D  
 Acq: 19 Sep 2018 14:25

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:114 Resp: 834140  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 36.8  
 88 14.9 0.0 30.8

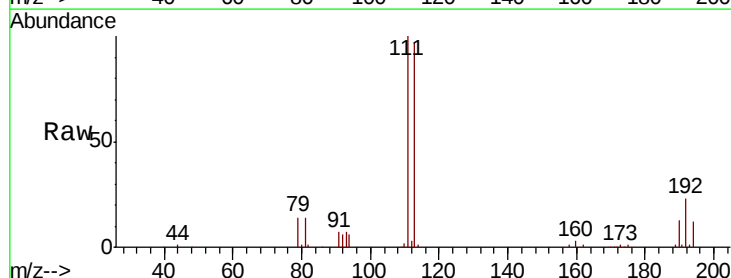


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

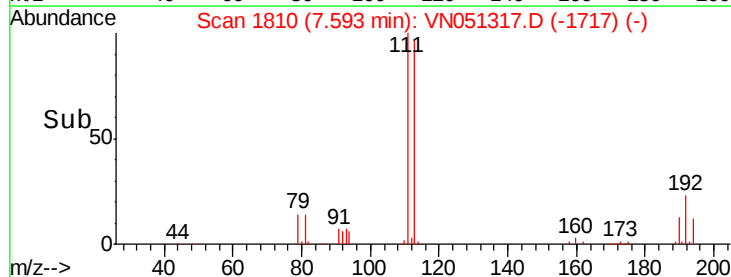
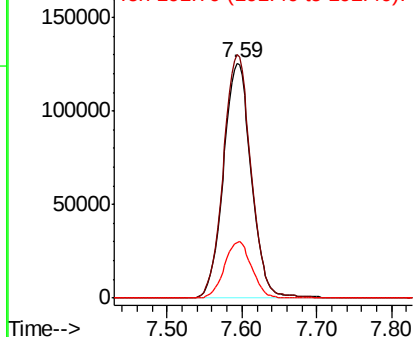


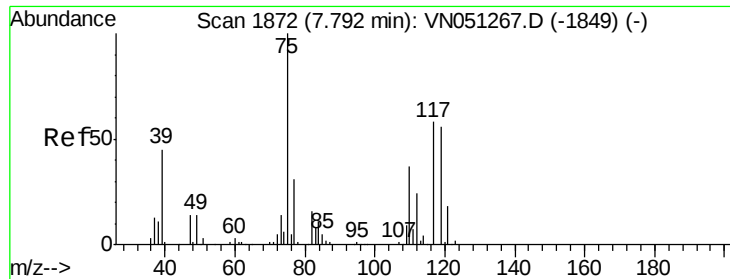
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051317.D  
 Acq: 19 Sep 2018 14:25

Tgt Ion:113 Resp: 324094  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 82.2 123.4  
 192 23.8 19.0 28.6



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

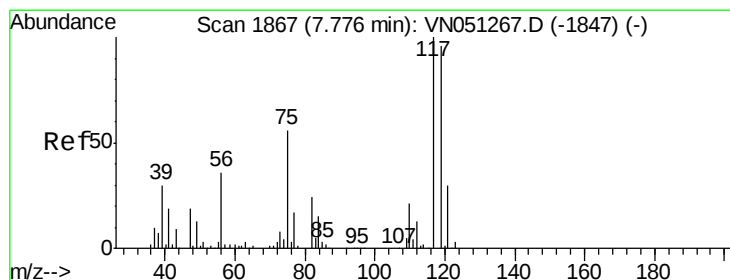
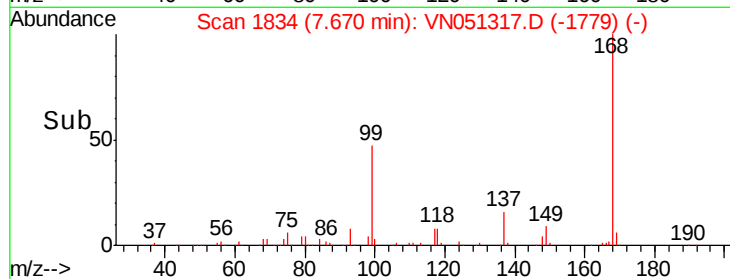
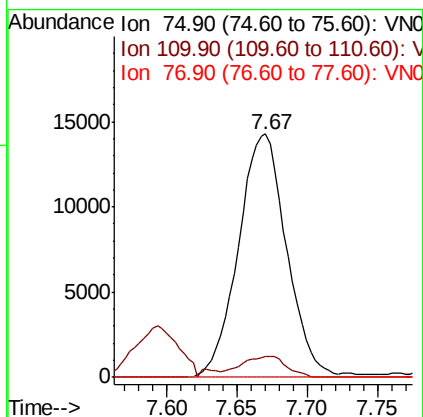
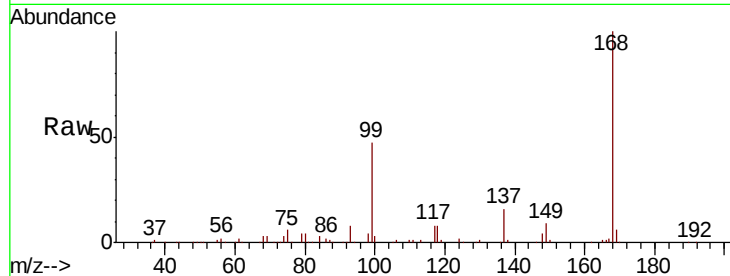




#36  
 1,1-Dichloropropene  
 Concen: 3.77 ug/l  
 RT: 7.67 min Scan# 1834  
 Delta R.T. -0.12 min  
 Lab File: VN051317.D  
 Acq: 19 Sep 2018 14:25

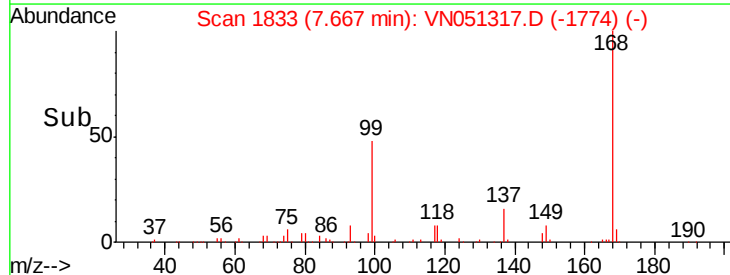
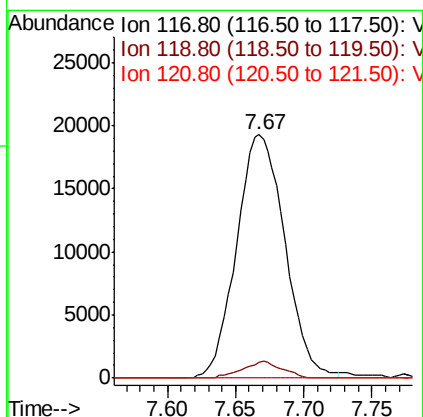
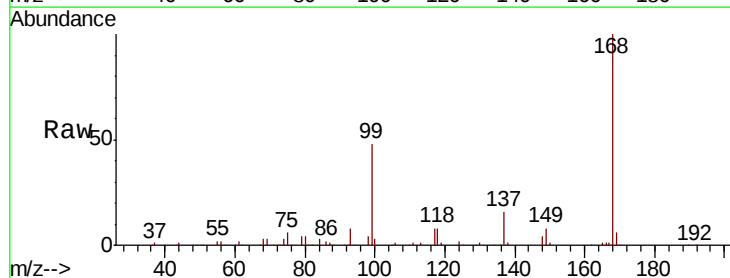
Instrument :  
 MSVOA\_N  
 ClientSampleId :

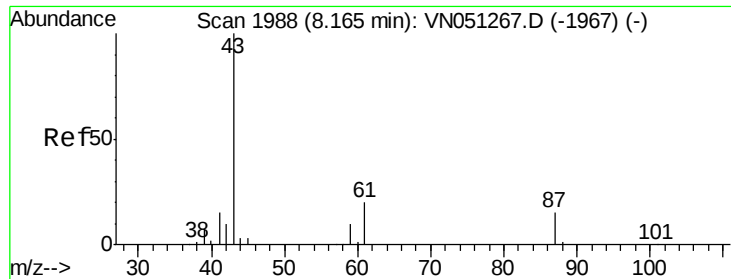
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.2   | 18.6  | 56.0# |
| 77      | 0.0   | 24.7  | 37.1# |



#38  
 Carbon Tetrachloride  
 Concen: 5.03 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.11 min  
 Lab File: VN051317.D  
 Acq: 19 Sep 2018 14:25

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 6.6   | 76.8  | 115.2# |
| 121     | 0.0   | 24.2  | 36.2#  |





#43

Isopropyl Acetate

Concen: 3.79 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

ClientSampleId :

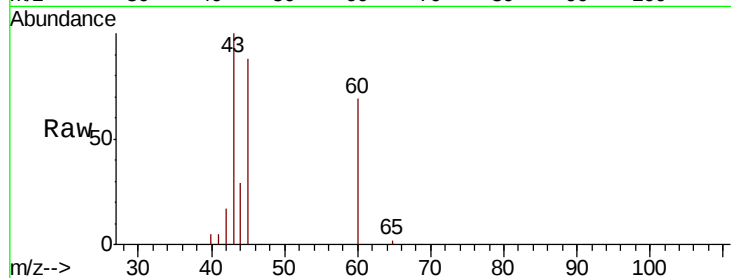
Tot Ion: 43 Resp: 30468

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.2#

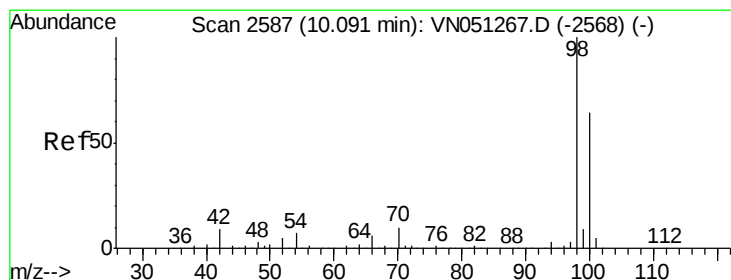
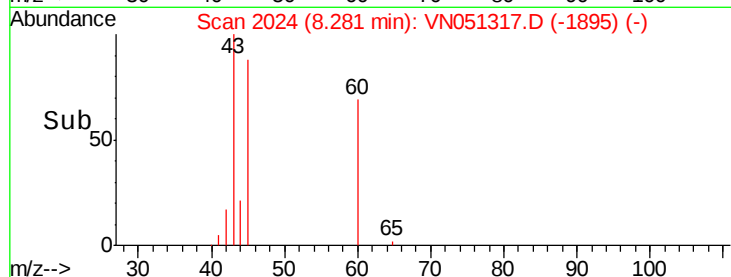
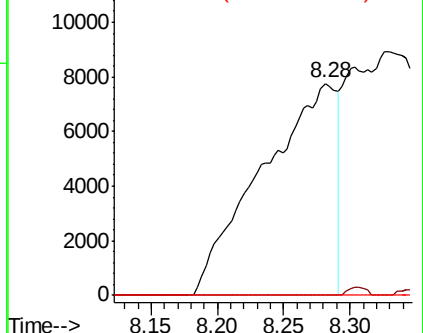
87 0.0 12.2 18.4#



Abundance Ion 43.00 (42.70 to 43.70): VN051317.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN051317.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN051317.D (-1895) (-)



#50

Toluene-d8

Concen: 47.16 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051317.D

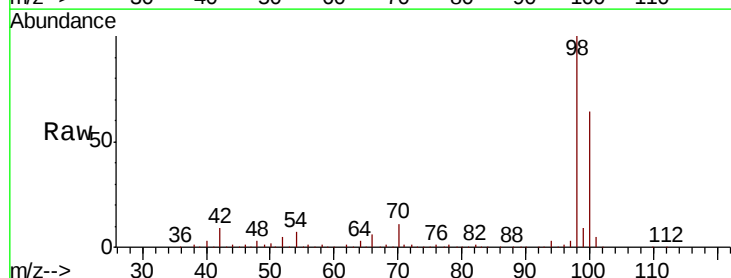
Acq: 19 Sep 2018 14:25

Tgt Ion: 98 Resp: 1130048

Ion Ratio Lower Upper

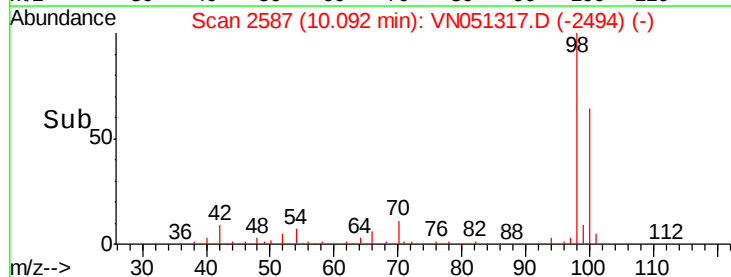
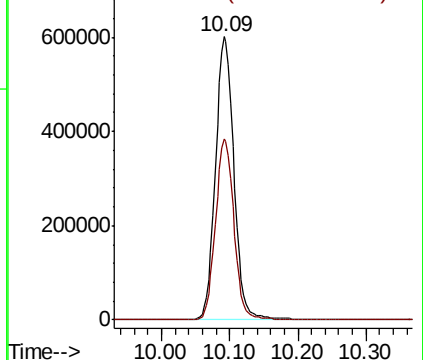
98 100

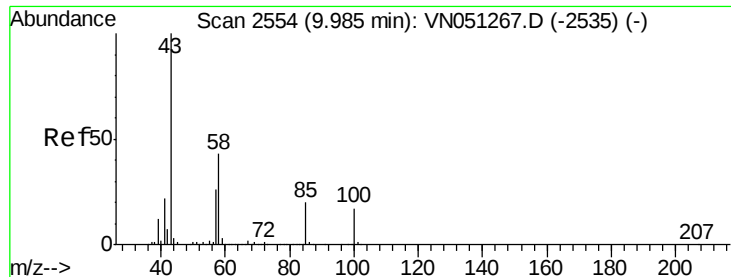
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN051317.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051317.D (-2494) (-)

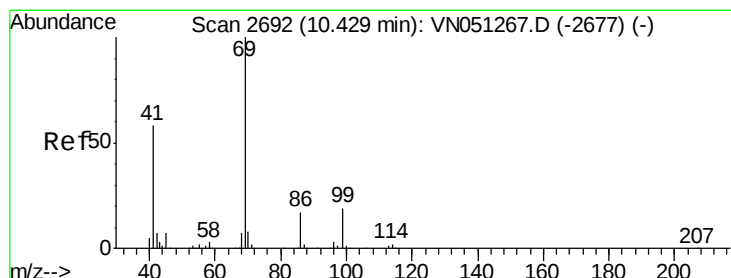
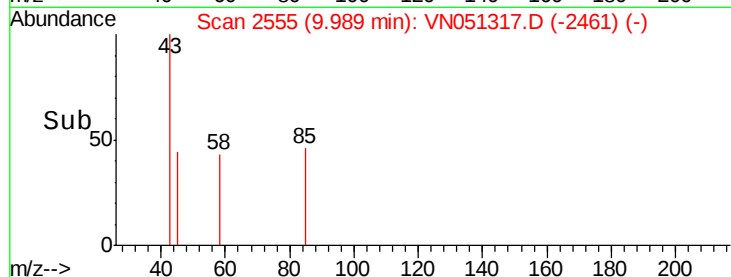
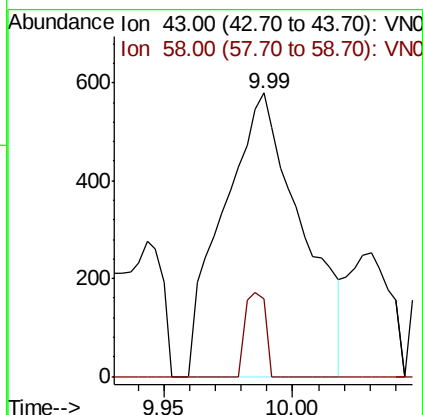
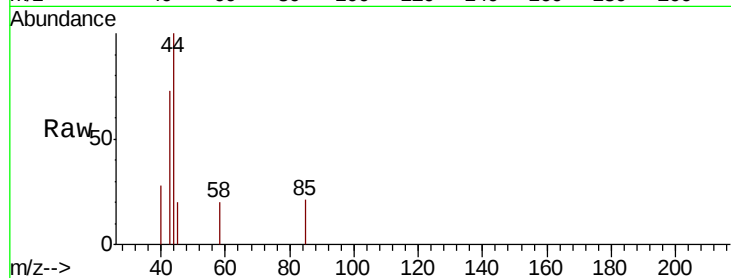




#51  
4-Methyl-2-Pentanone  
Concen: 0.29 ug/l  
RT: 9.99 min Scan# 2555  
Delta R.T. 0.00 min  
Lab File: VN051317.D  
Acq: 19 Sep 2018 14:25

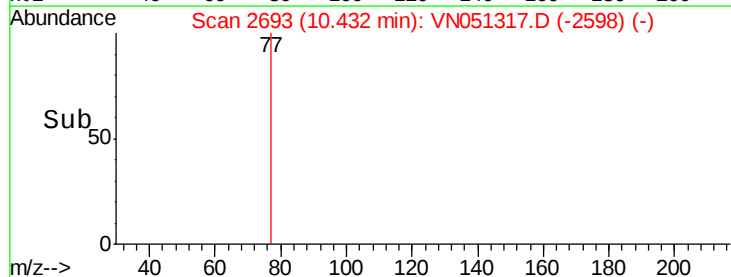
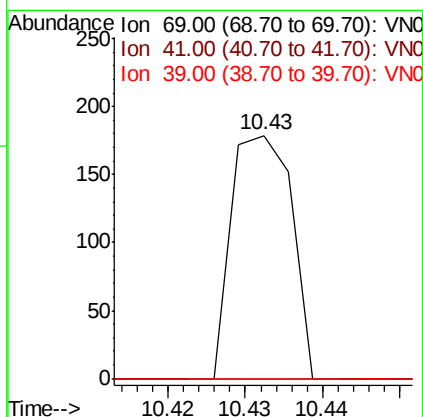
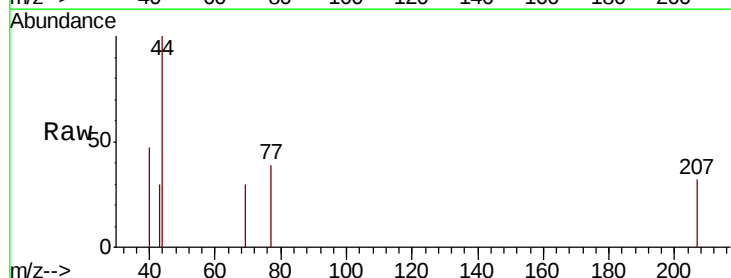
Instrument :  
MSVOA\_N  
ClientSampled :

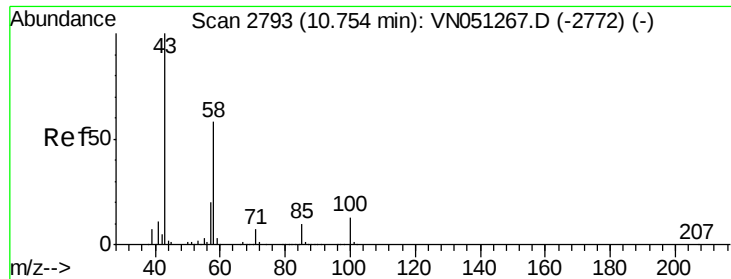
Tot Ion: 43 Resp: 1218  
Ion Ratio Lower Upper  
43 100  
58 0.0 33.8 50.6#



#56  
Ethyl methacrylate  
Concen: 2.08 ug/l  
RT: 10.43 min Scan# 2693  
Delta R.T. 0.00 min  
Lab File: VN051317.D  
Acq: 19 Sep 2018 14:25

Tgt Ion: 69 Resp: 97  
Ion Ratio Lower Upper  
69 100  
41 0.0 47.4 71.0#  
39 0.0 23.7 35.5#

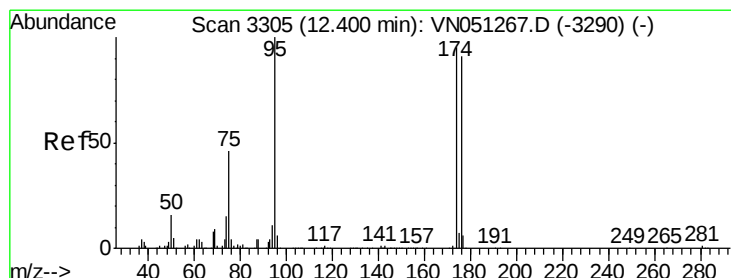
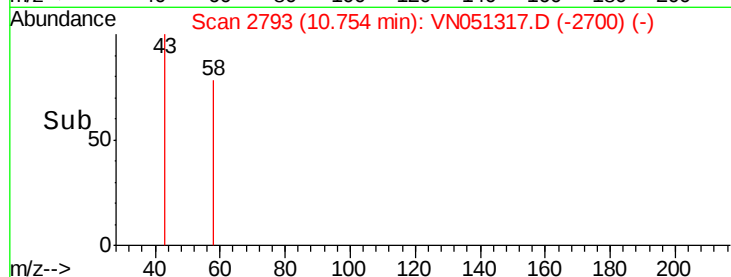
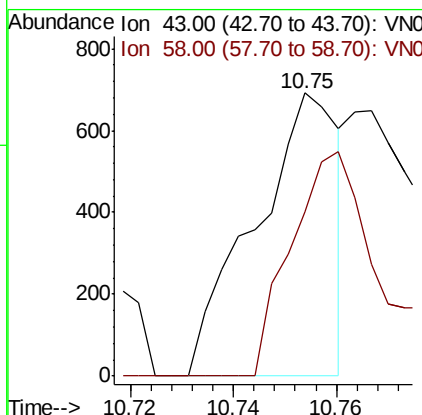
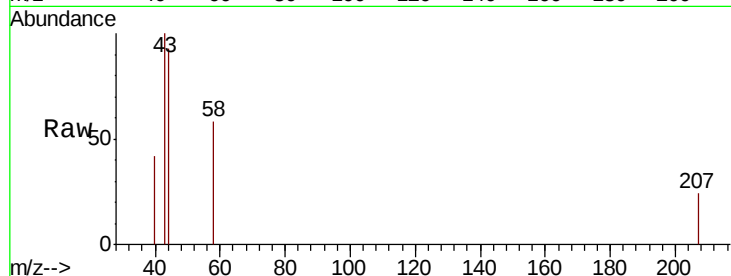




#59  
2-Hexanone  
Concen: 0.29 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN051317.D  
Acq: 19 Sep 2018 14:25

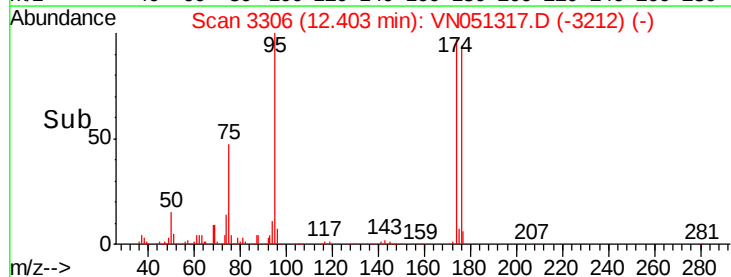
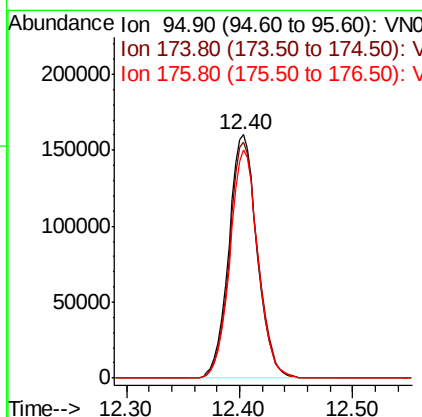
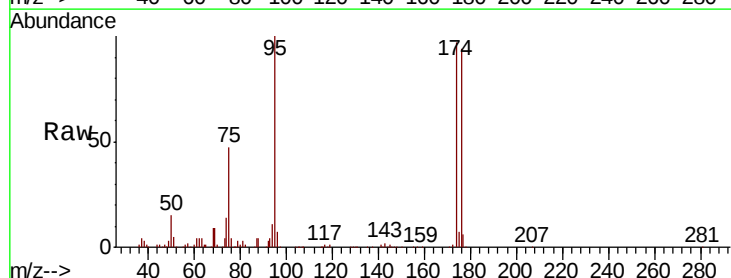
Instrument :  
MSVOA\_N  
ClientSampleId :

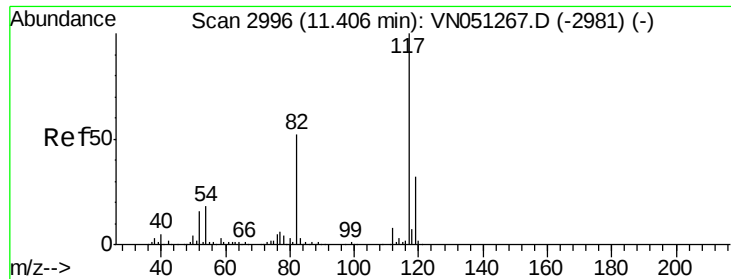
Tot Ion: 43 Resp: 778  
Ion Ratio Lower Upper  
43 100  
58 79.6 28.9 86.8



#62  
4-Bromofluorobenzene  
Concen: 36.51 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051317.D  
Acq: 19 Sep 2018 14:25

Tgt Ion: 95 Resp: 278200  
Ion Ratio Lower Upper  
95 100  
174 97.0 0.0 189.6  
176 92.7 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

ClientSampled :

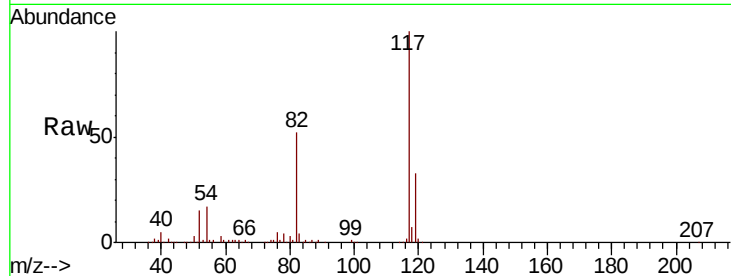
Tot Ion:117 Resp: 678677

Ion Ratio Lower Upper

117 100

82 51.5 41.8 62.8

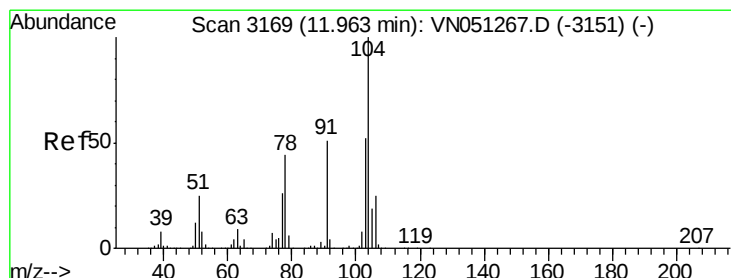
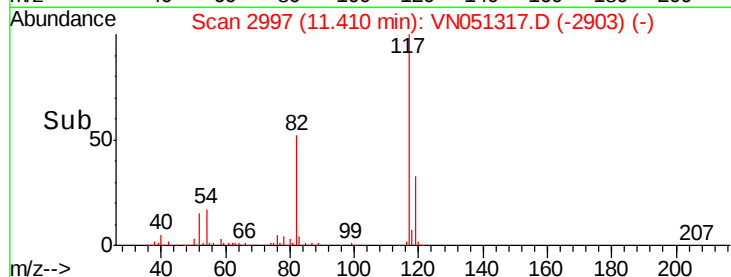
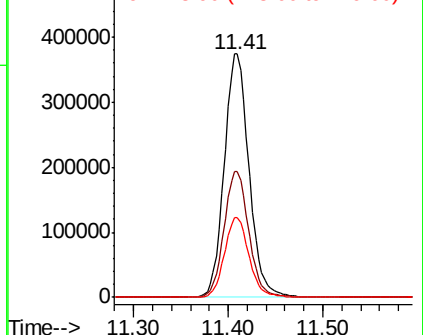
119 33.0 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#70

Styrene

Concen: 1.31 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

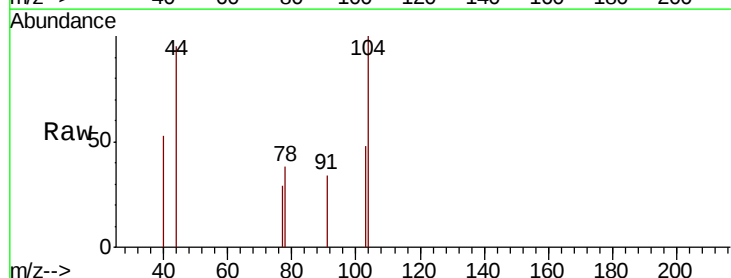
Tgt Ion:104 Resp: 1180

Ion Ratio Lower Upper

104 100

78 19.8 38.1 57.1#

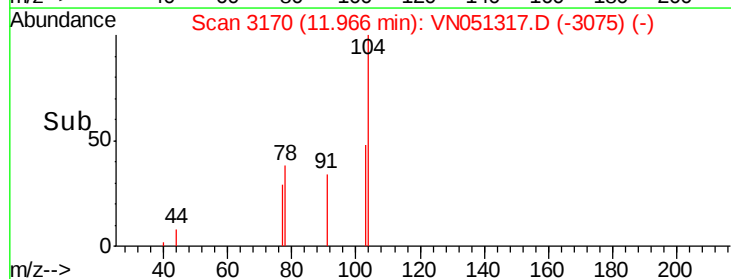
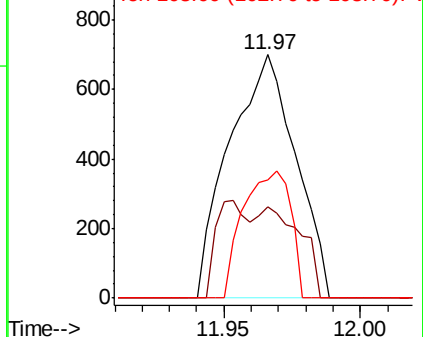
103 37.4 44.8 67.2#

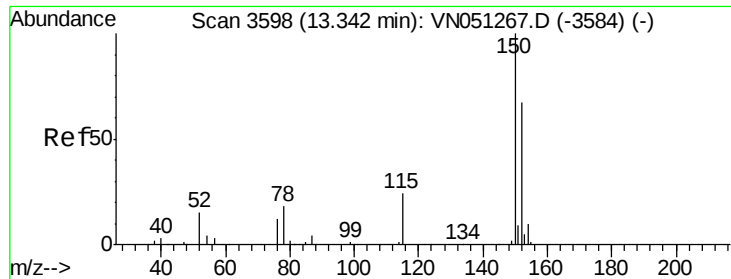


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

ClientSampled :

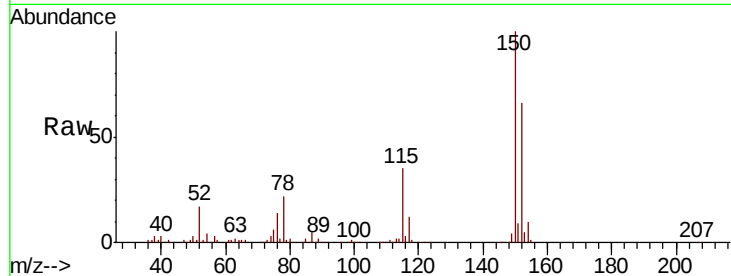
Tot Ion:152 Resp: 199445

Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.2

150 155.1 0.0 349.0

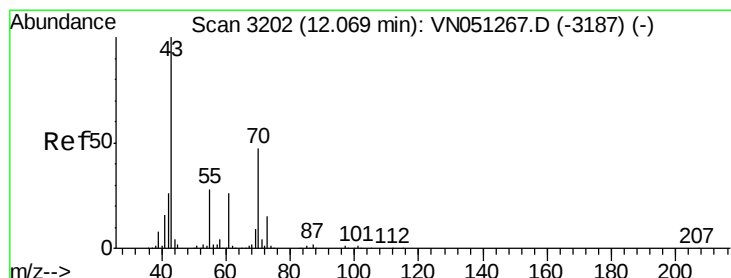
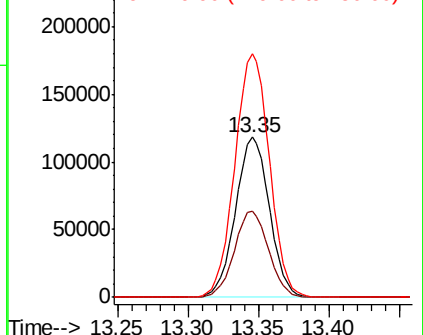
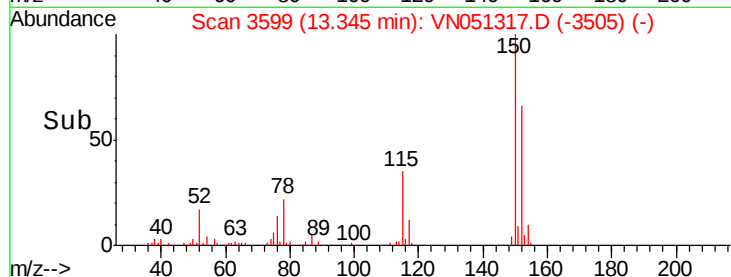


Abundance

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



#74

N-ethyl acetate

Concen: 0.27 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Tgt Ion: 43 Resp: 941

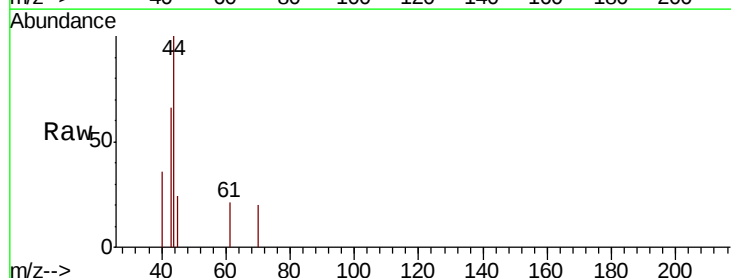
Ion Ratio Lower Upper

43 100

70 9.7 37.8 56.6#

55 0.0 22.6 34.0#

61 6.5 20.9 31.3#



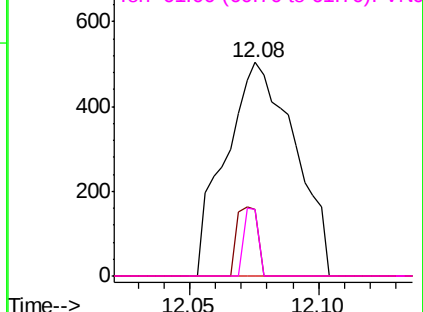
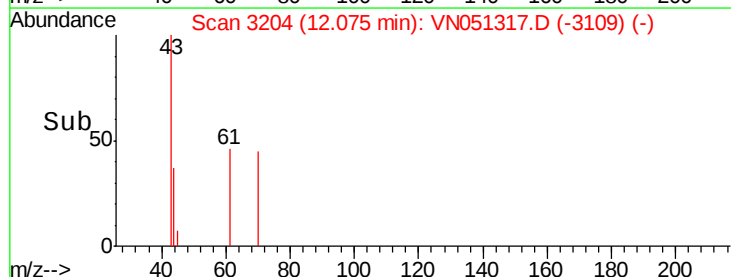
Abundance

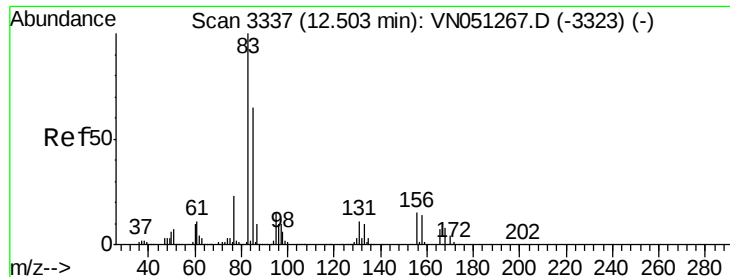
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

ClientSampleId :

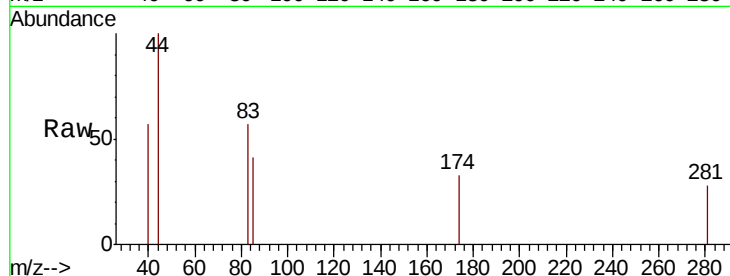
Tot Ion: 83 Resp: 433

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

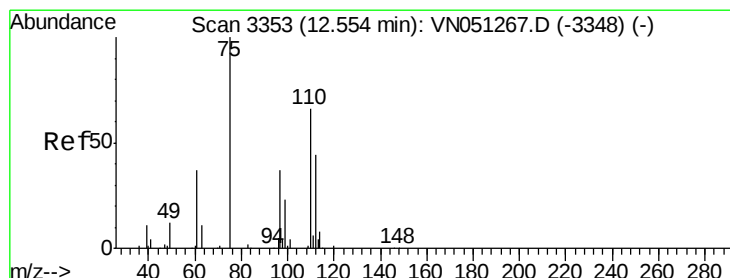
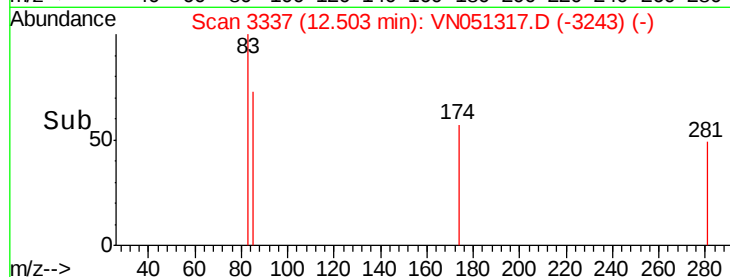
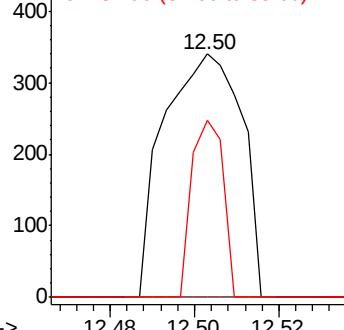
85 29.8 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 47.04 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051317.D

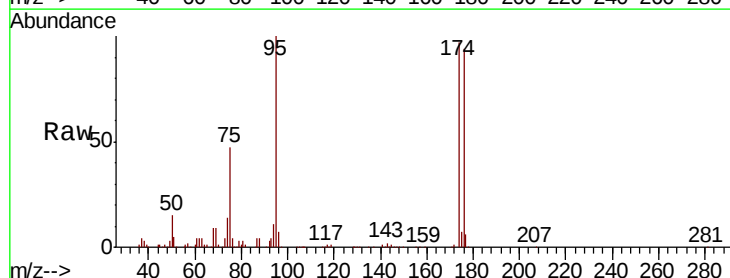
Acq: 19 Sep 2018 14:25

Tgt Ion: 75 Resp: 128710

Ion Ratio Lower Upper

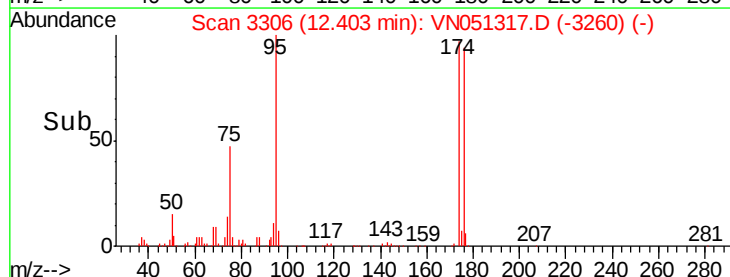
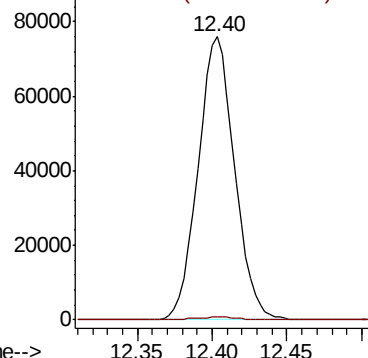
75 100

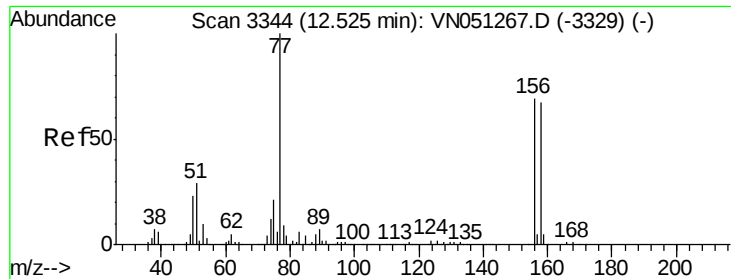
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

ClientSampled :

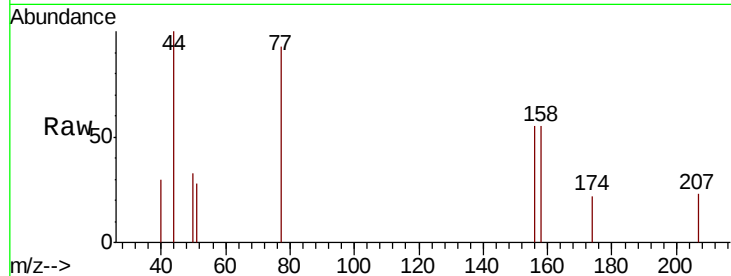
Tot Ion:156 Resp: 701

Ion Ratio Lower Upper

156 100

77 208.3 83.7 251.1

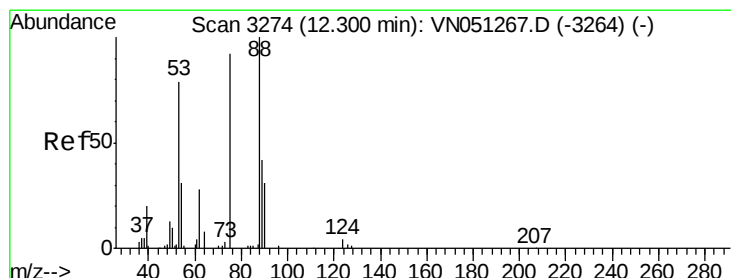
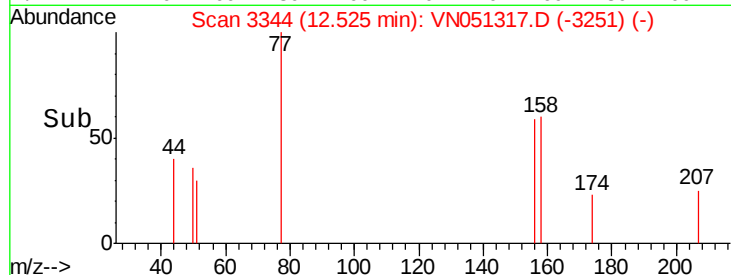
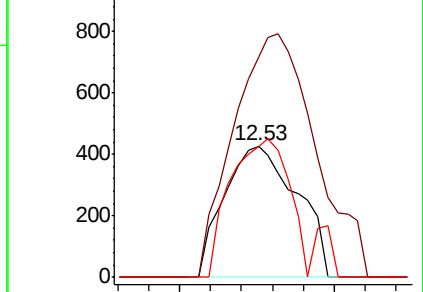
158 85.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 143.33 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

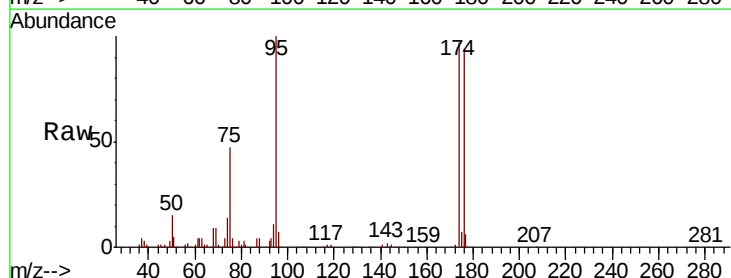
Tgt Ion: 75 Resp: 128710

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

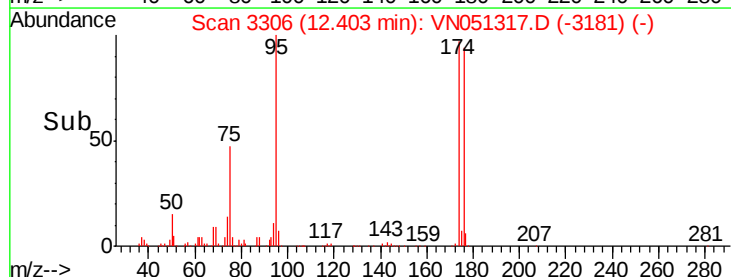
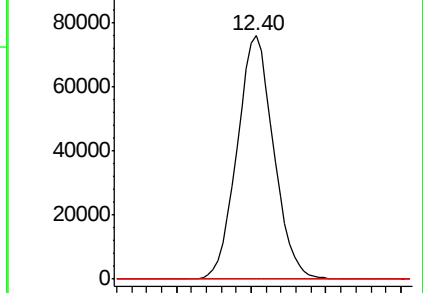
89 0.0 36.9 55.3#

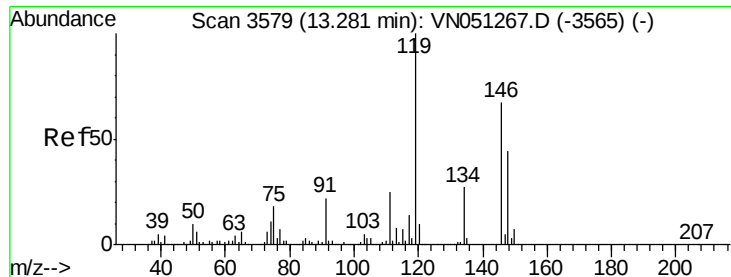


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#87

1,3-Dichlorobenzene

Concen: 0.28 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

ClientSampled :

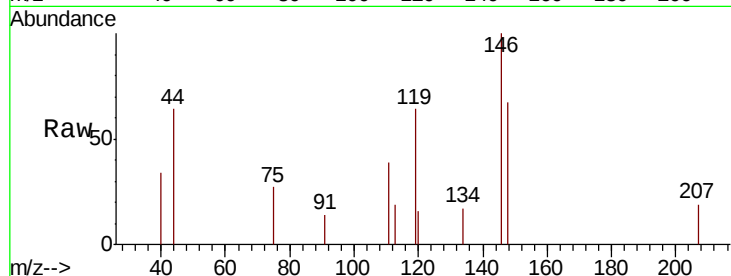
Tot Ion:146 Resp: 2059

Ion Ratio Lower Upper

146 100

111 25.5 18.7 56.1

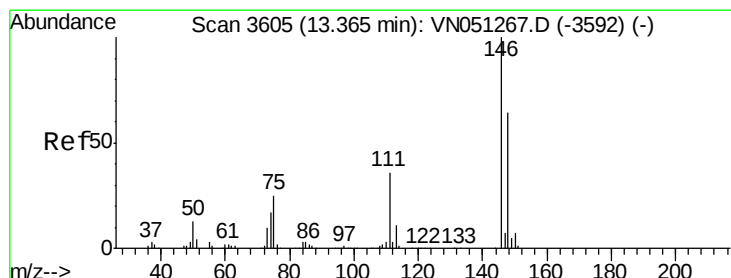
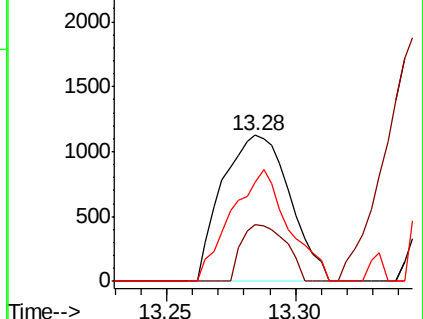
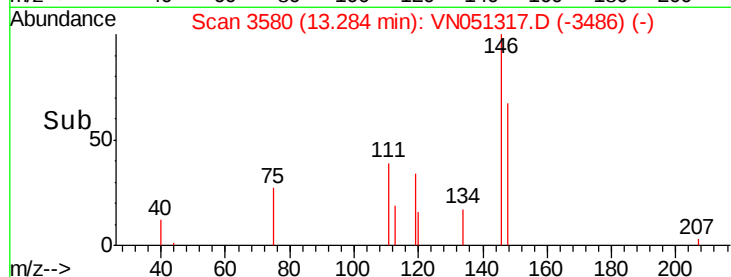
148 64.7 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 0.70 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

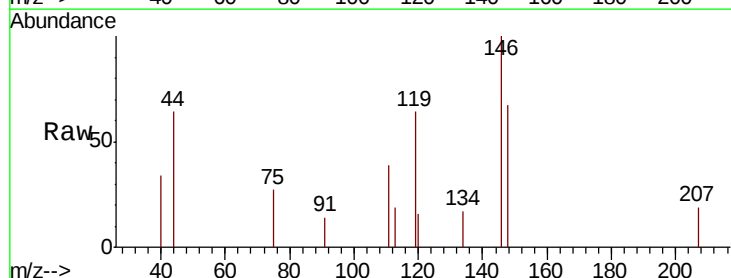
Tgt Ion:146 Resp: 2059

Ion Ratio Lower Upper

146 100

111 25.5 18.2 54.6

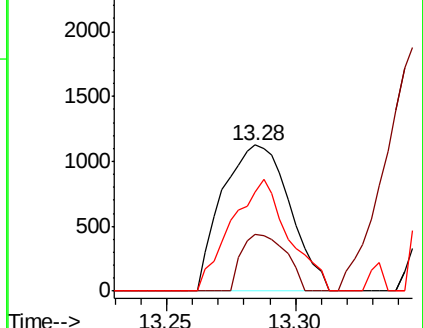
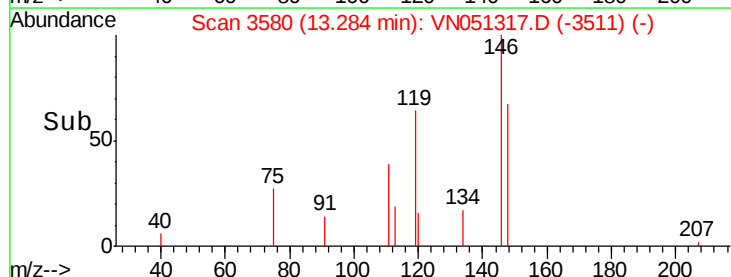
148 64.7 31.9 95.7

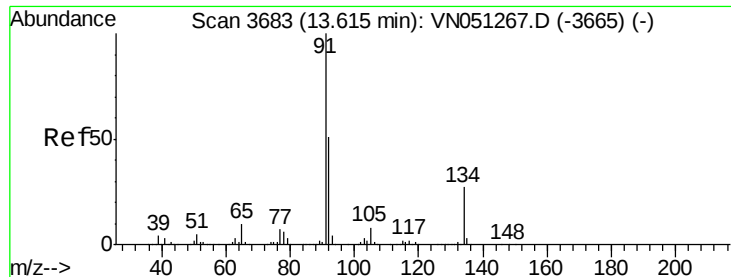


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 2.16 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

ClientSampled :

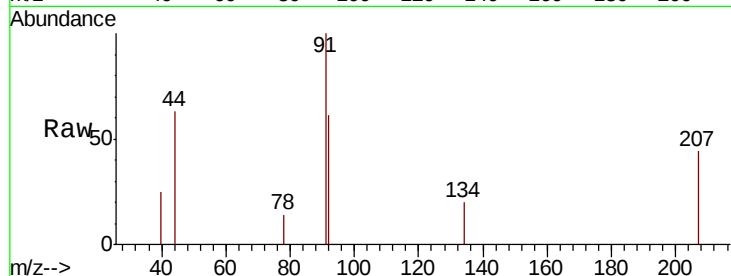
Tot Ion: 91 Resp: 1571

Ion Ratio Lower Upper

91 100

92 59.2 25.8 77.4

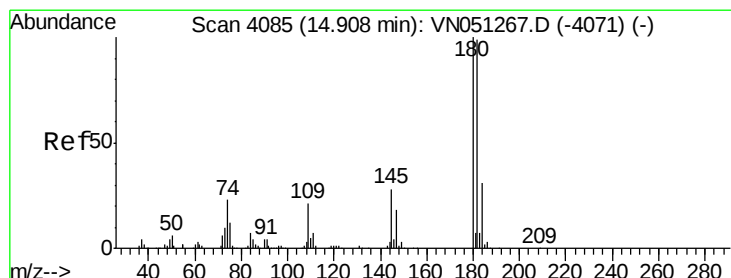
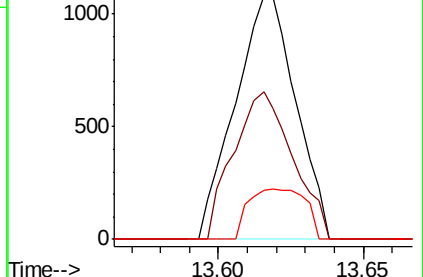
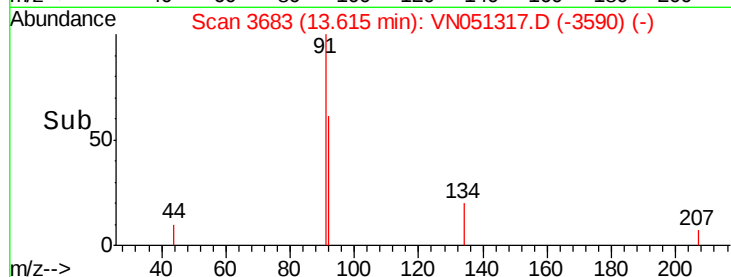
134 19.4 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VN051317.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN051317.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN051317.D (-3665) (-)



#93

1,2,4-Trichlorobenzene

Concen: 5.80 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

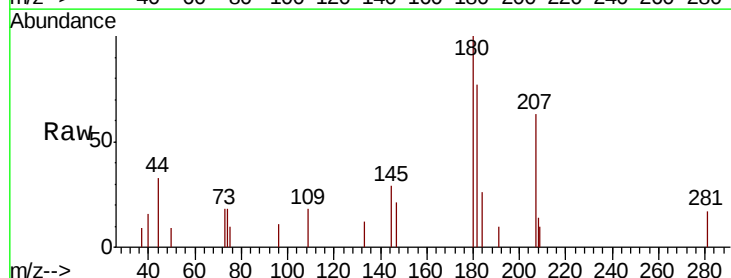
Tgt Ion: 180 Resp: 2878

Ion Ratio Lower Upper

180 100

182 90.6 48.5 145.6

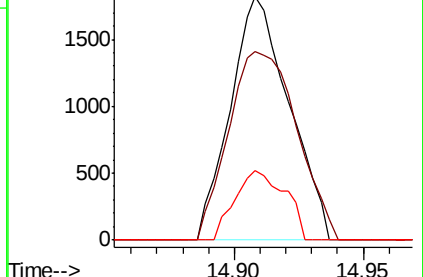
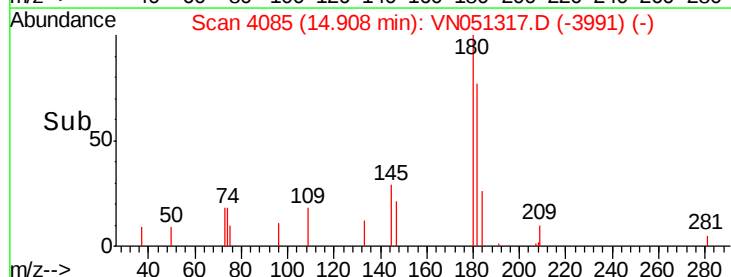
145 24.4 14.0 41.9

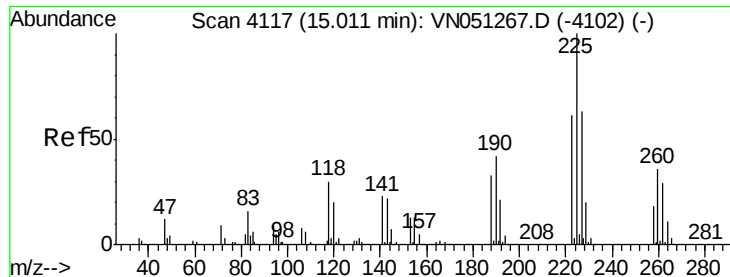


Abundance Ion 179.80 (179.50 to 180.50): VN051317.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN051317.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN051317.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

Instrument :

MSVOA\_N

ClientSampleId :

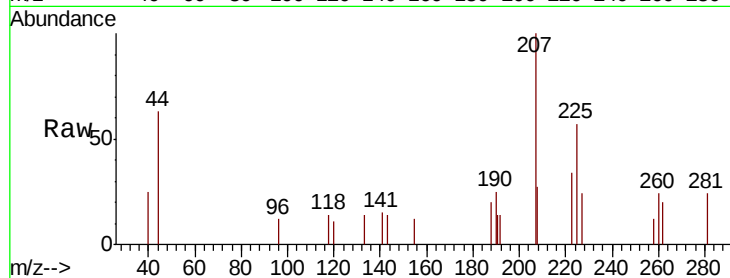
Tot Ion:225 Resp: 1067

Ion Ratio Lower Upper

225 100

223 66.3 30.8 92.3

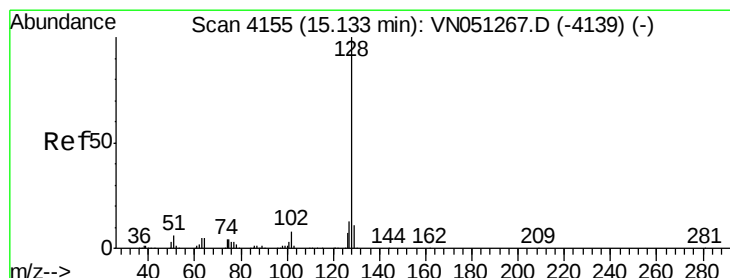
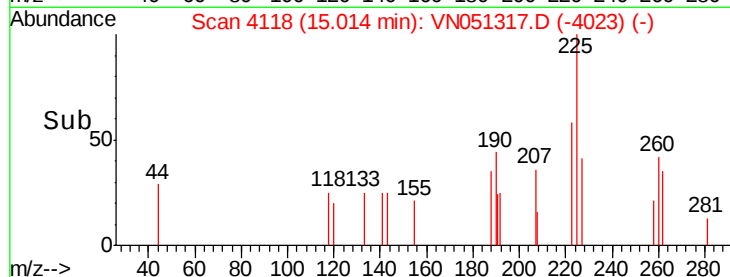
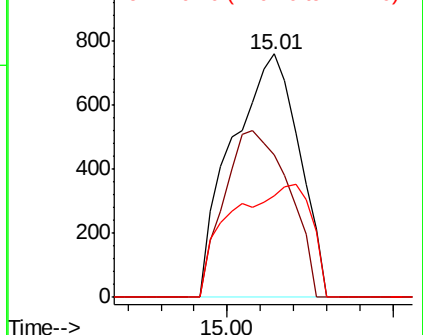
227 55.5 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 6.74 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051317.D

Acq: 19 Sep 2018 14:25

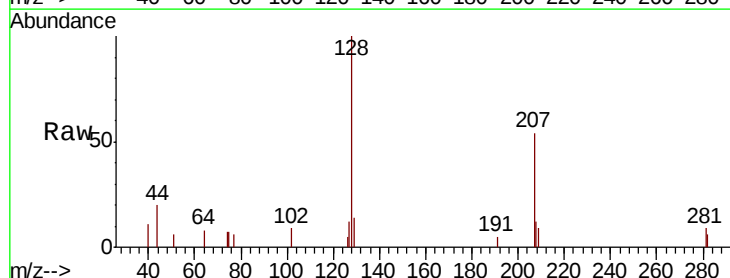
Tgt Ion:128 Resp: 5772

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

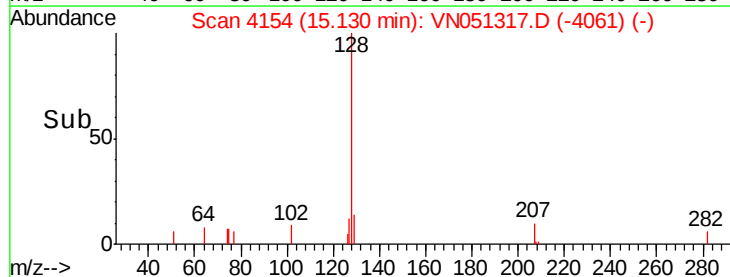
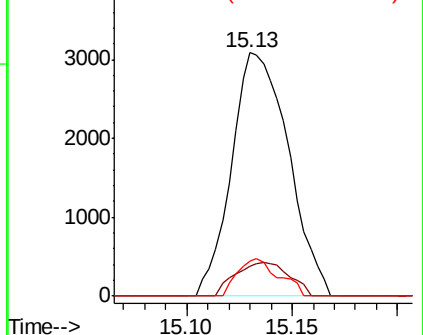
129 11.2 8.9 13.3

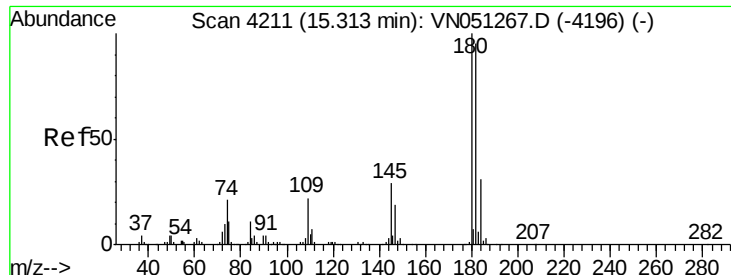


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

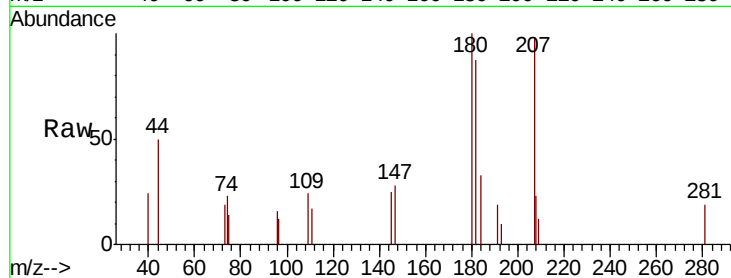




#96  
 1,2,3-Trichlorobenzene  
 Concen: 4.74 ug/l  
 RT: 15.32 min Scan# 4213  
 Delta R.T. 0.01 min  
 Lab File: VN051317.D  
 Acq: 19 Sep 2018 14:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 85.0  | 47.5  | 142.6 |
| 145     | 23.3  | 14.8  | 44.4  |



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

