

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\  
 Data File : VN051073.D  
 Acq On : 10 Sep 2018 13:08  
 Operator : MD\SY  
 Sample : VN0910WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBL01

Quant Time: Sep 11 03:17:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 02:27:09 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 746880   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1118585  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1008299  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 349872   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 425395   | 51.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.36% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 416654   | 49.57 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.14%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1568735  | 49.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.36%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 469598   | 44.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.02%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc        | Units | Qvalue |
|--------------------------------|-------|------|----------|-------------|-------|--------|
| 3) Chloromethane               | 2.05  | 50   | 4533     | Below Cal   |       | 92     |
| 5) Bromomethane                | 2.59  | 94   | 442      | Below Cal   |       | 82     |
| 10) Methyl Iodide              | 3.95  | 142  | 3917     | 6.07 ug/l   | #     | 76     |
| 11) Tert butyl alcohol         | 4.73  | 59   | 1487     | 2.34 ug/l   | #     | 73     |
| 13) Acrolein                   | 3.60  | 56   | 412      | 24.76 ug/l  |       | 97     |
| 16) Acetone                    | 3.82  | 43   | 2472     | Below Cal   |       | 98     |
| 17) Carbon Disulfide           | 4.04  | 76   | 8935     | 0.49 ug/l   | #     | 92     |
| 18) Methyl Acetate             | 4.33  | 43   | 4682     | 0.70 ug/l   | #     | 81     |
| 25) 2-Butanone                 | 6.84  | 43   | 897      | 0.27 ug/l   | #     | 74     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 1971     | 0.97 ug/l   | #     | 48     |
| 31) Cyclohexane                | 7.66  | 56   | 11670    | 0.63 ug/l   | #     | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 46627    | 3.80 ug/l   | #     | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 63283    | 5.24 ug/l   | #     | 17     |
| 43) Isopropyl Acetate          | 8.24  | 43   | 4160     | 0.33 ug/l   | #     | 50     |
| 49) 1,4-Dioxane                | 9.19  | 88   | 145      | 1.51 ug/l   | #     | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 2790     | 0.40 ug/l   | #     | 74     |
| 56) Ethyl methacrylate         | 10.43 | 69   | 833      | 2.53 ug/l   | #     | 55     |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 162      | 15.26 ug/l  | #     | 47     |
| 59) 2-Hexanone                 | 10.75 | 43   | 4040     | 0.86 ug/l   |       | 81     |
| 74) N-amyl acetate             | 12.07 | 43   | 2283     | 0.31 ug/l   | #     | 85     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 771      | Below Cal   | #     | 88     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 215762   | 39.46 ug/l  | #     | 100    |
| 77) Bromobenzene               | 12.52 | 156  | 1811     | 0.23 ug/l   |       | 78     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 215762   | 117.12 ug/l | #     | 15     |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 4592     | 0.23 ug/l   |       | 80     |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 3858     | 0.29 ug/l   |       | 94     |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 3858     | 0.33 ug/l   |       | 93     |
| 89) n-Butylbenzene             | 13.61 | 91   | 4672     | 0.26 ug/l   |       | 97     |
| 90) Hexachloroethane           | 13.87 | 117  | 62       | Below Cal   | #     | 1      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 3518     | 0.27 ug/l   |       | 95     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 161      | 0.81 ug/l   |       | 62     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 3790     | 4.54 ug/l   |       | 99     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 3673     | Below Cal   |       | 89     |
| 95) Naphthalene                | 15.13 | 128  | 8154     | 5.89 ug/l   |       | 97     |

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Operator : MD\SY  
Sample : VN0910WBL01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL01

Quant Time: Sep 11 03:17:31 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 11 02:27:09 2018  
Response via : Initial Calibration

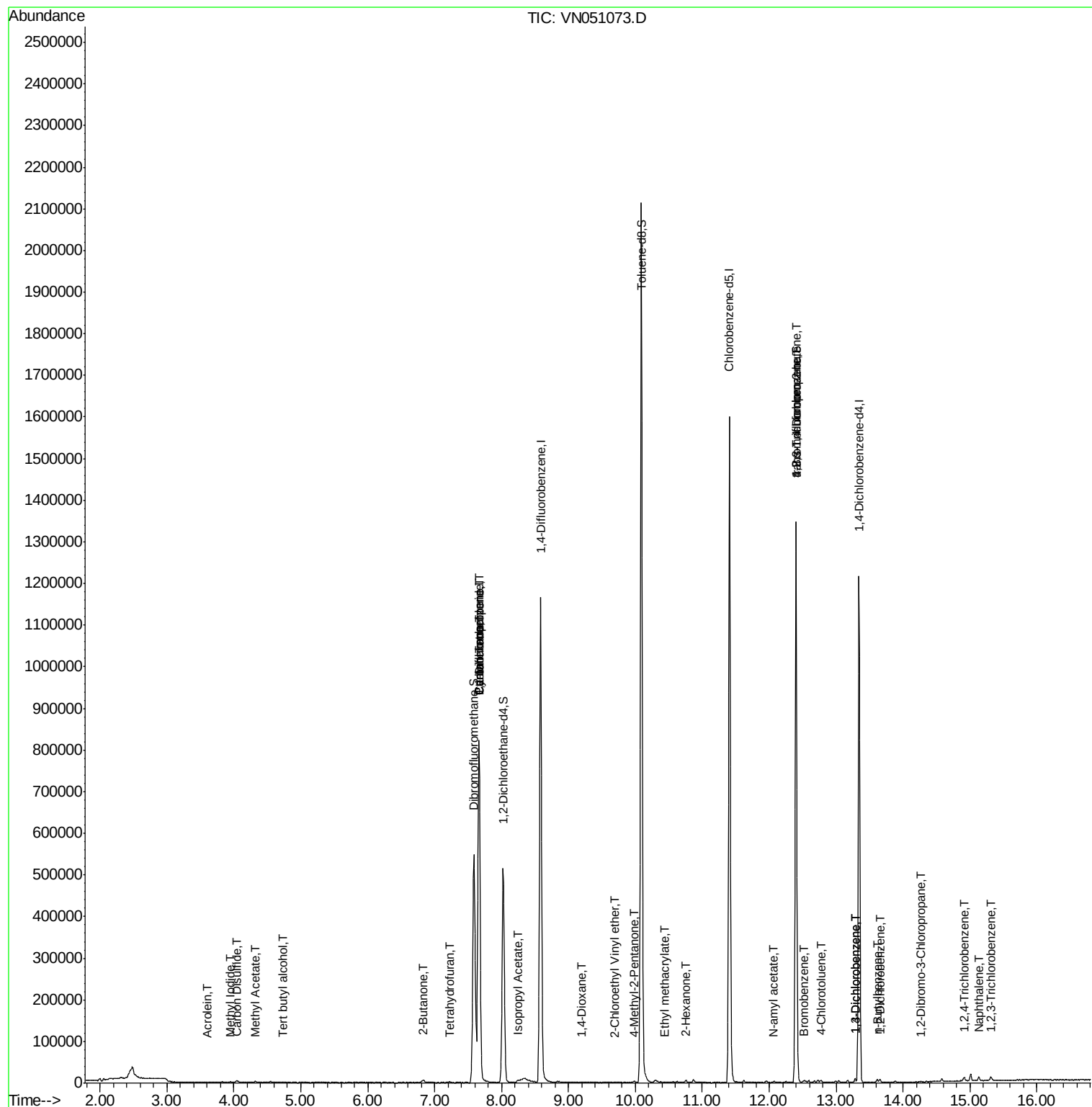
| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 4112     | 3.59 | ug/l  | 97       |

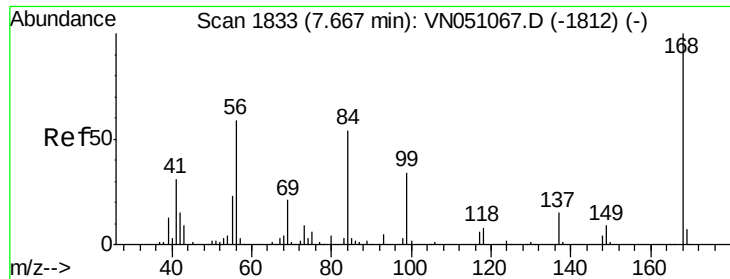
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

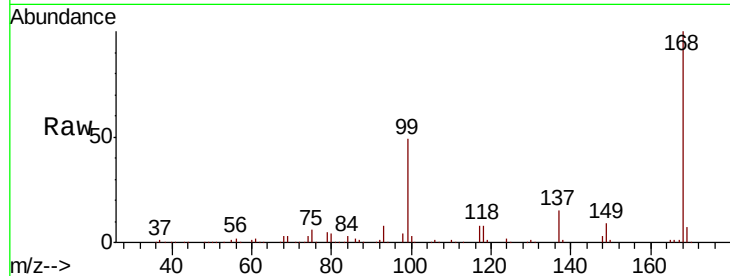
VN0910WBL01

Tot Ion:168 Resp: 746880

Ion Ratio Lower Upper

168 100

99 48.8 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

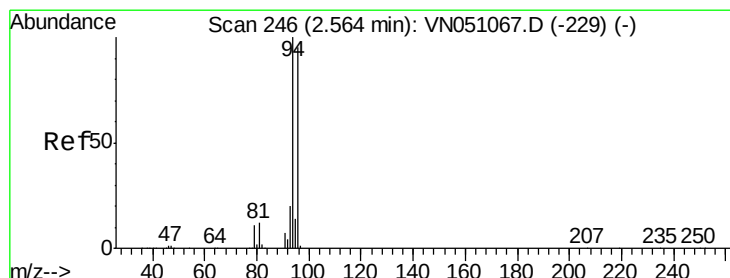
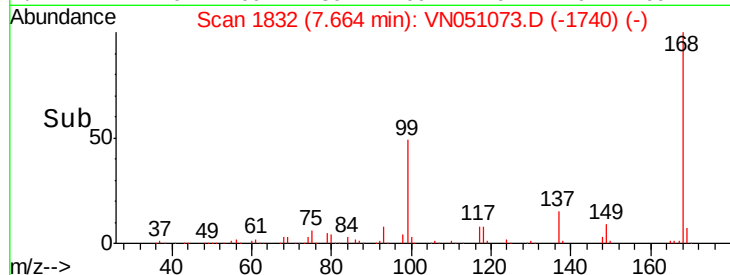
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.59 min Scan# 255

Delta R.T. 0.03 min

Lab File: VN051073.D

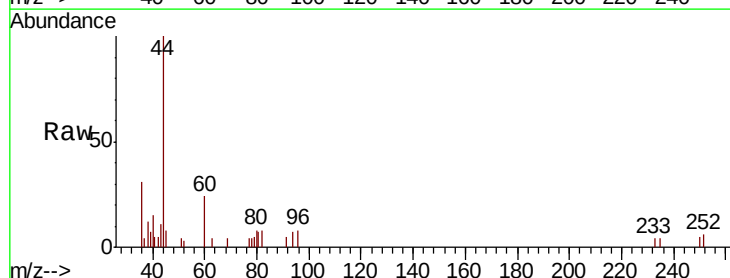
Acq: 10 Sep 2018 13:08

Tgt Ion: 94 Resp: 442

Ion Ratio Lower Upper

94 100

96 112.7 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.59

400

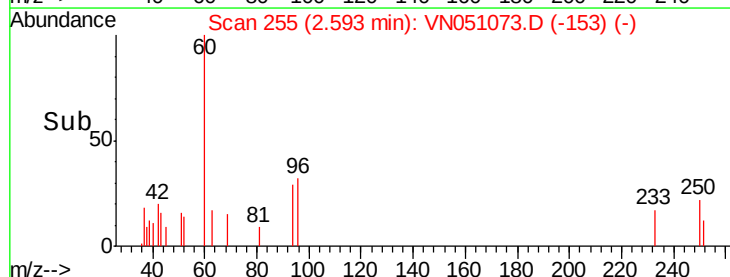
300

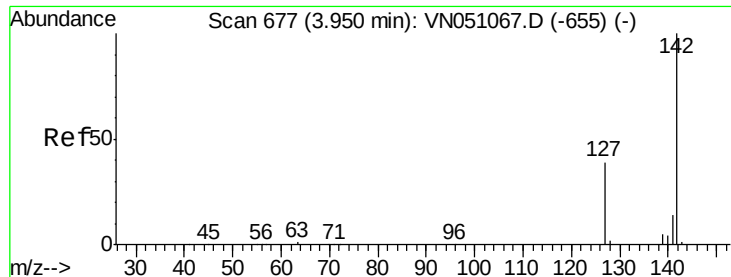
200

100

0

Time-->

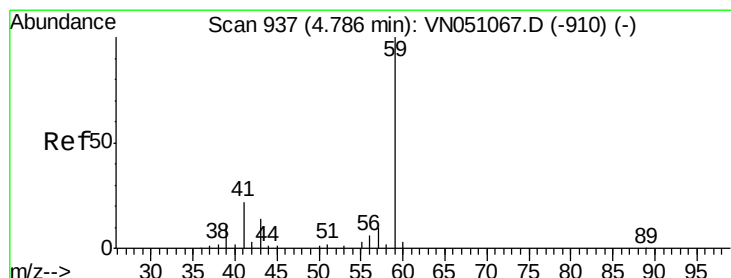
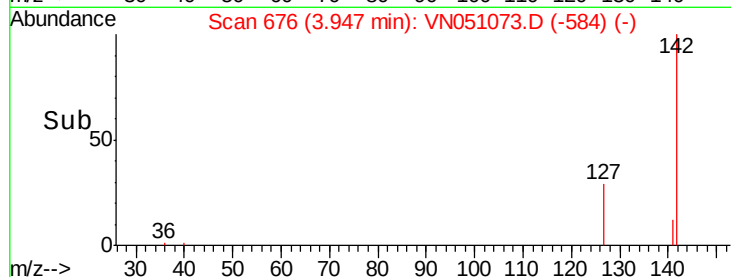
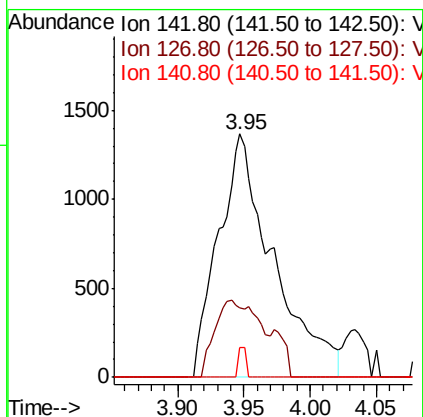
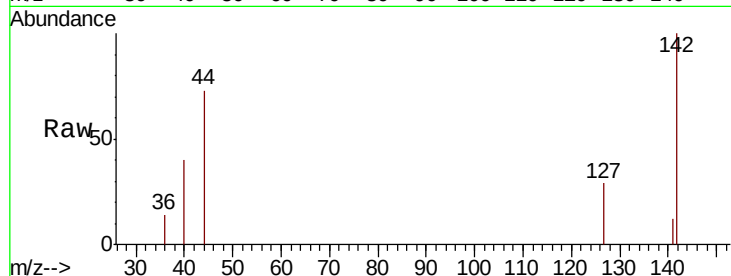




#10  
Methvl Iodide  
Concen: 6.07 ug/l  
RT: 3.95 min Scan# 676  
Delta R.T. -0.00 min  
Lab File: VN051073.D  
Acq: 10 Sep 2018 13:08

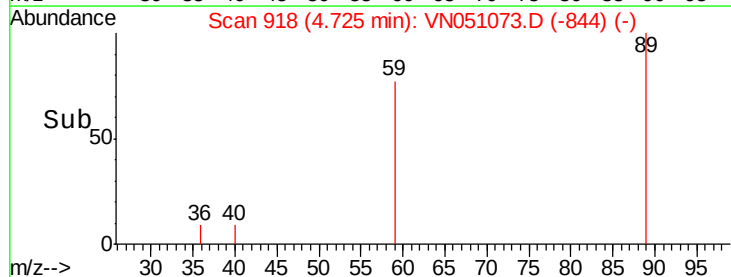
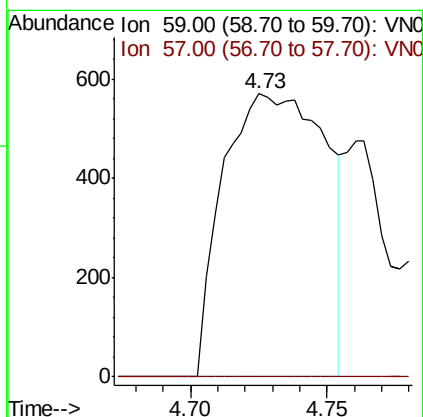
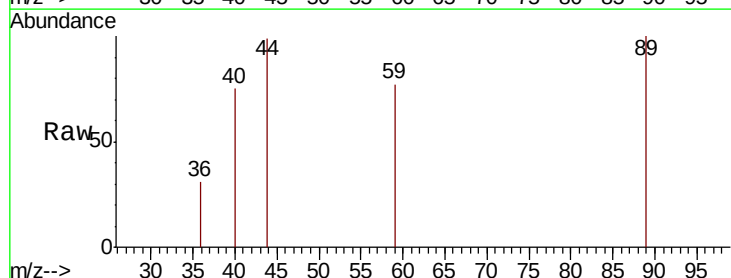
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL01

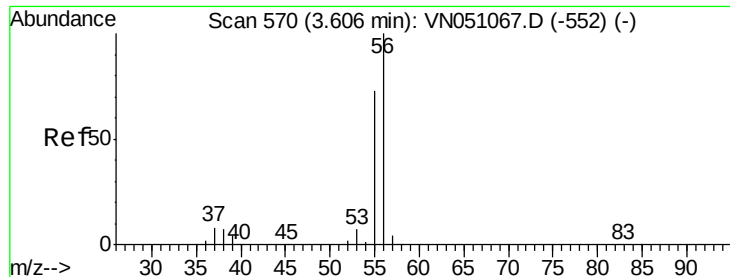
Tot Ion:142 Resp: 3917  
Ion Ratio Lower Upper  
142 100  
127 25.7 31.0 46.4#  
141 1.7 11.3 16.9#



#11  
Tert butyl alcohol  
Concen: 2.34 ug/l  
RT: 4.73 min Scan# 918  
Delta R.T. -0.06 min  
Lab File: VN051073.D  
Acq: 10 Sep 2018 13:08

Tgt Ion: 59 Resp: 1487  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 24.76 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampled :

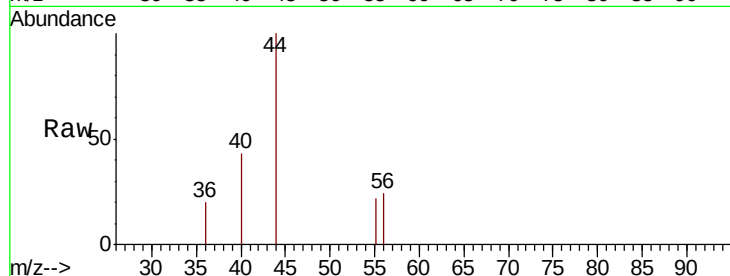
VN0910WBL01

Tot Ion: 56 Resp: 412

Ion Ratio Lower Upper

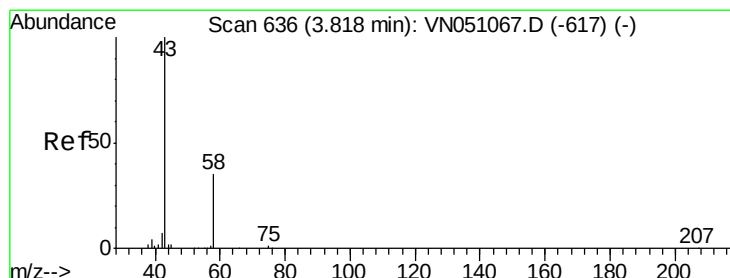
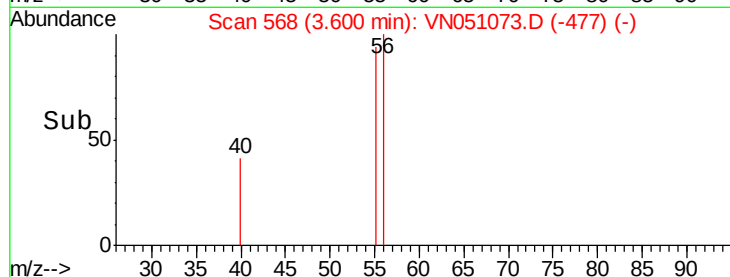
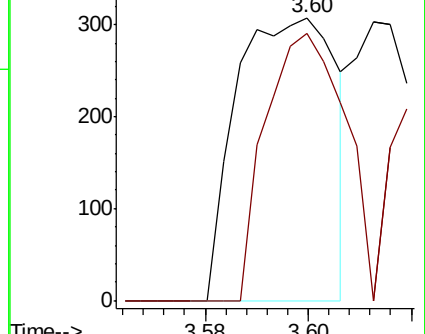
56 100

55 75.0 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051073.D

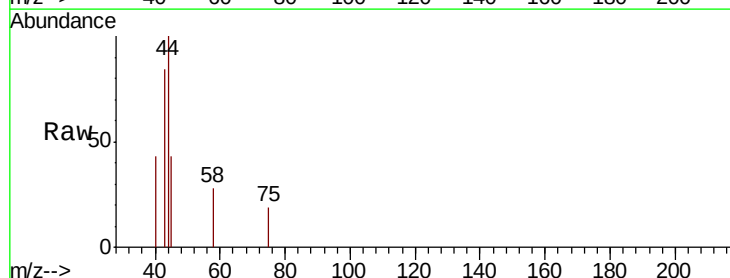
Acq: 10 Sep 2018 13:08

Tgt Ion: 43 Resp: 2472

Ion Ratio Lower Upper

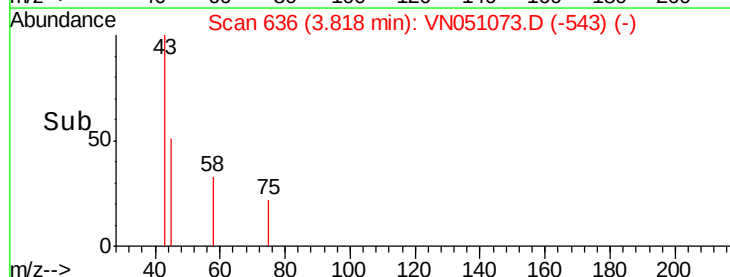
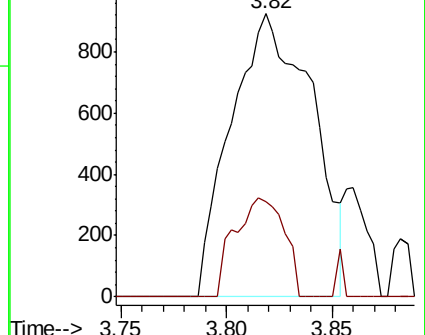
43 100

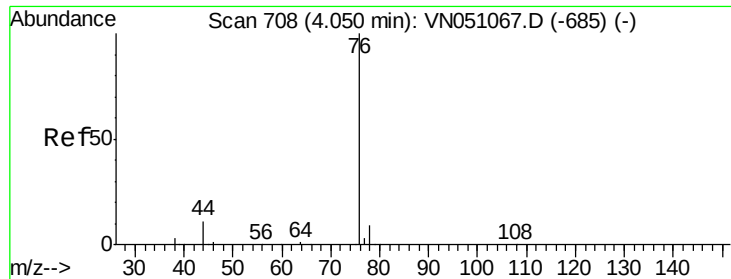
58 33.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.49 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

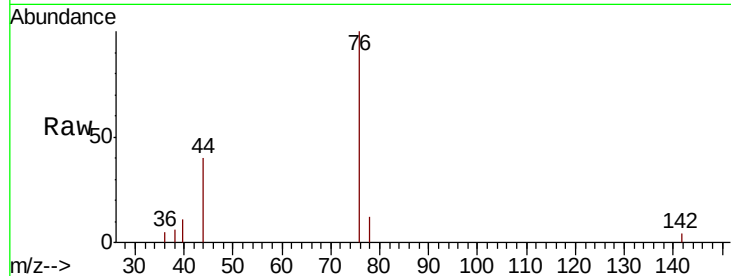
VN0910WBL01

Tot Ion: 76 Resp: 8935

Ion Ratio Lower Upper

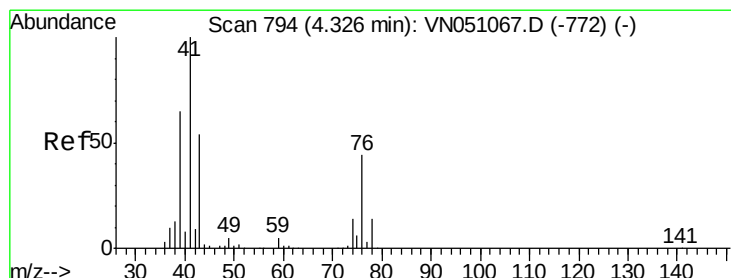
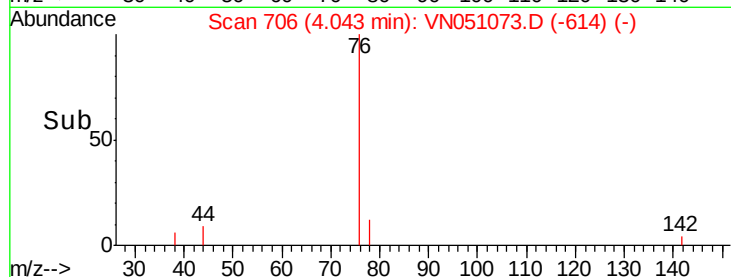
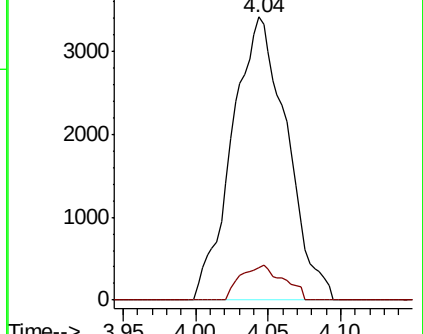
76 100

78 11.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.70 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051073.D

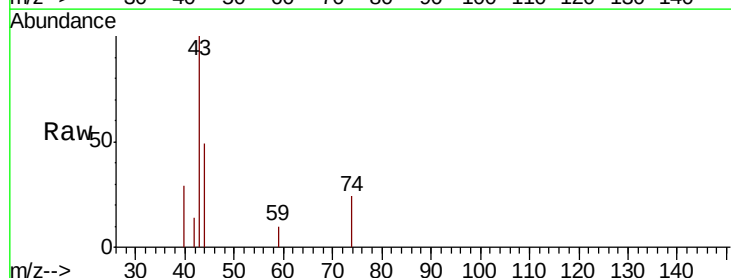
Acq: 10 Sep 2018 13:08

Tgt Ion: 43 Resp: 4682

Ion Ratio Lower Upper

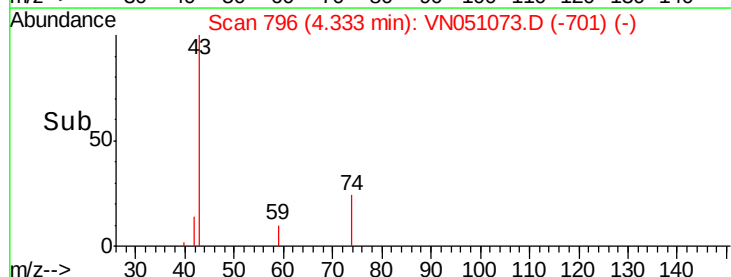
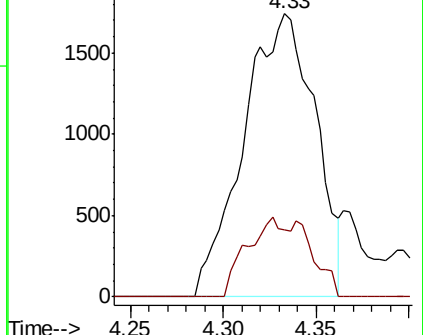
43 100

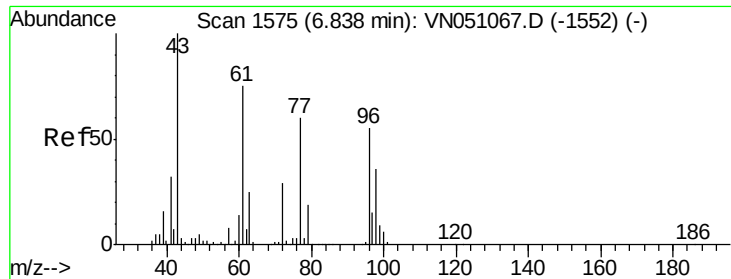
74 16.1 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

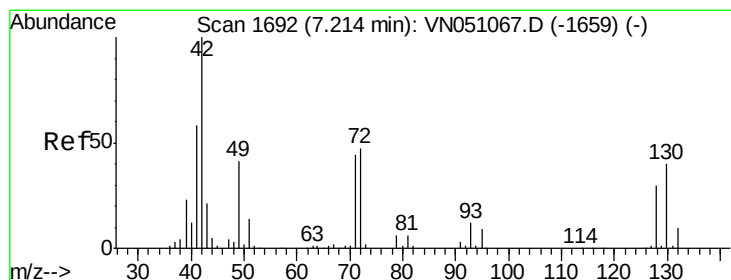
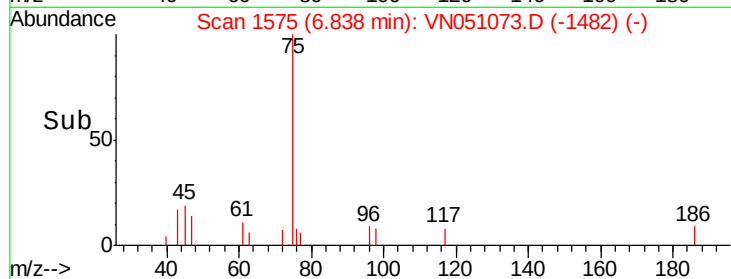
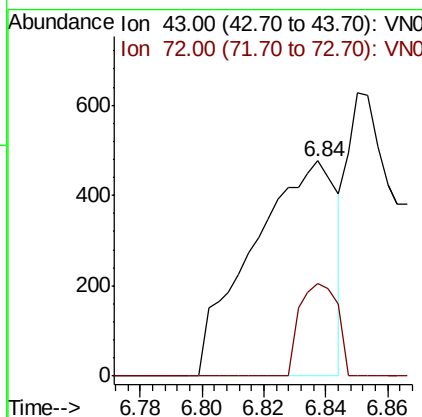
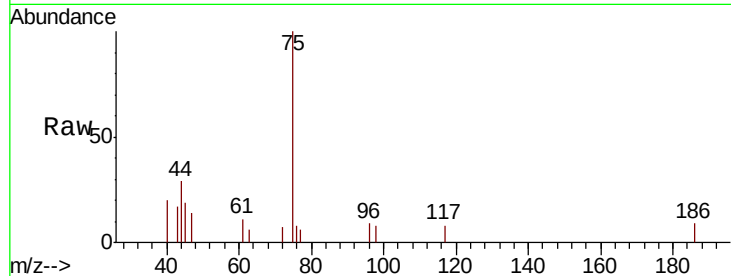




#25  
 2-Butanone  
 Concen: 0.27 ug/l  
 RT: 6.84 min Scan# 1575  
 Delta R.T. -0.00 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

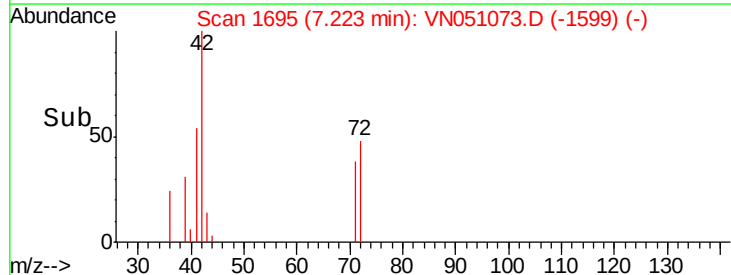
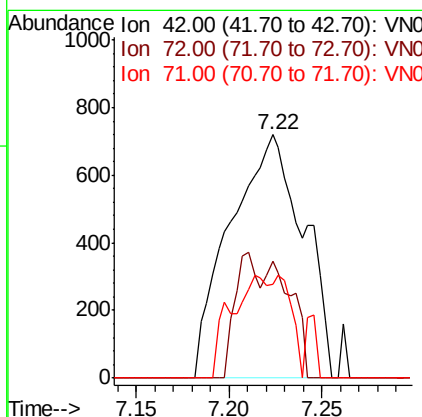
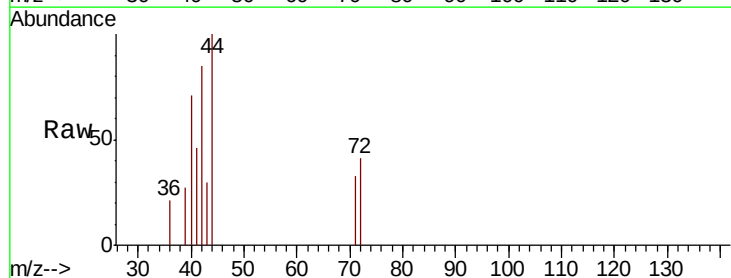
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBL01

Tot Ion: 43 Resp: 897  
 Ion Ratio Lower Upper  
 43 100  
 72 42.8 23.0 34.6#

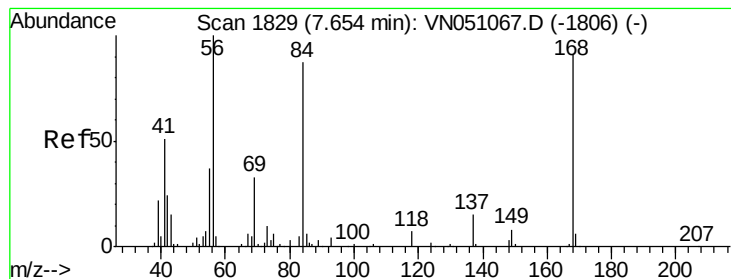


#29  
 Tetrahydrofuran  
 Concen: 0.97 ug/l  
 RT: 7.22 min Scan# 1695  
 Delta R.T. 0.01 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

Tgt Ion: 42 Resp: 1971  
 Ion Ratio Lower Upper  
 42 100  
 72 17.0 37.4 56.0#  
 71 5.3 34.7 52.1#







#31

Cyclohexane

Concen: 0.63 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampled :

VN0910WBL01

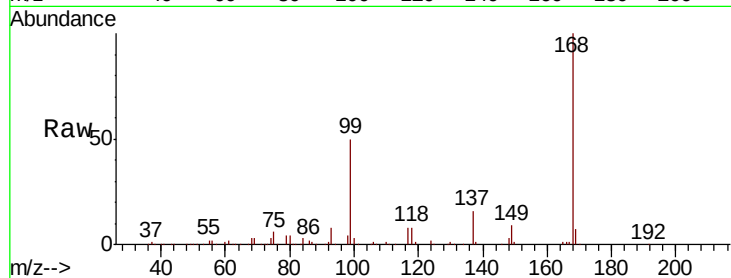
Tot Ion: 56 Resp: 11670

Ion Ratio Lower Upper

56 100

69 186.0 26.3 39.5#

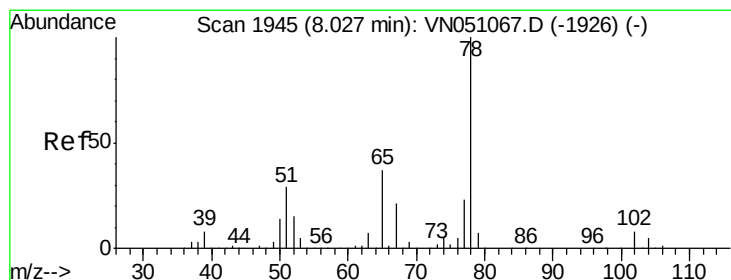
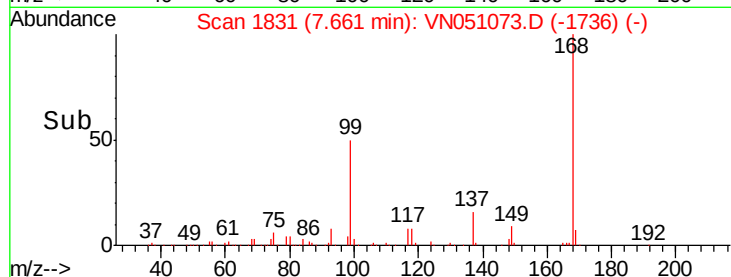
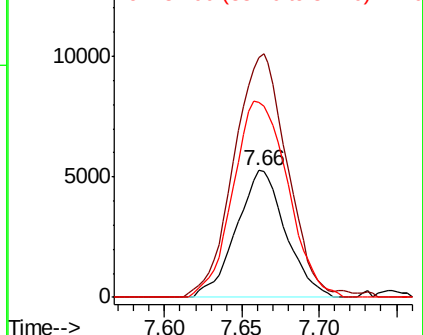
84 153.9 69.4 104.0#



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: 51.18 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN051073.D

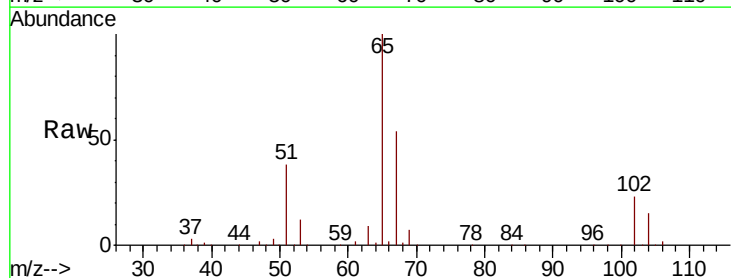
Acq: 10 Sep 2018 13:08

Tgt Ion: 65 Resp: 425395

Ion Ratio Lower Upper

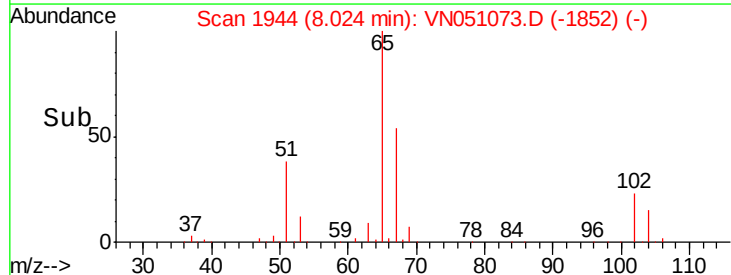
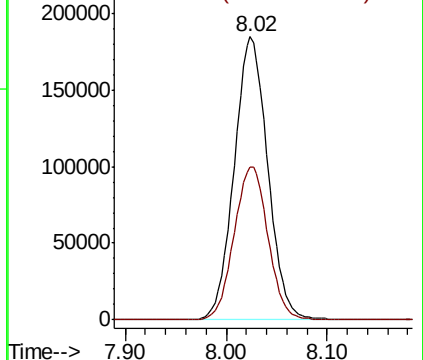
65 100

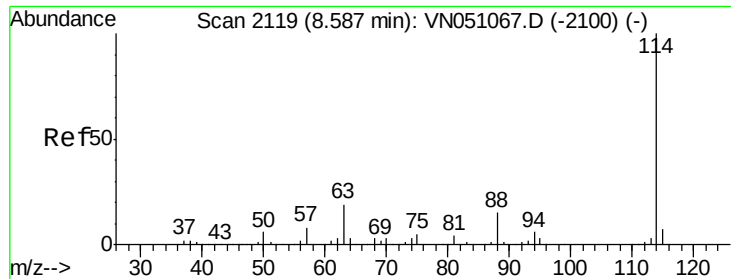
67 54.8 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

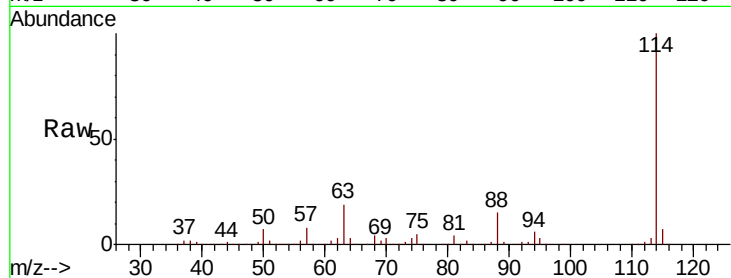




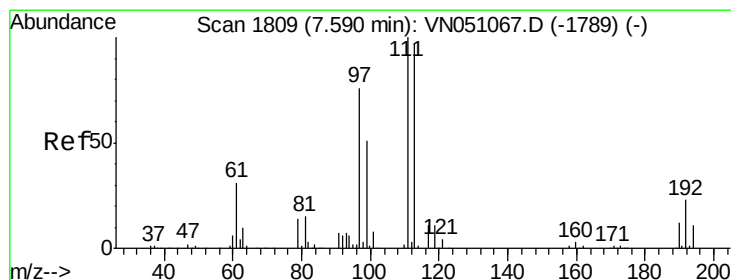
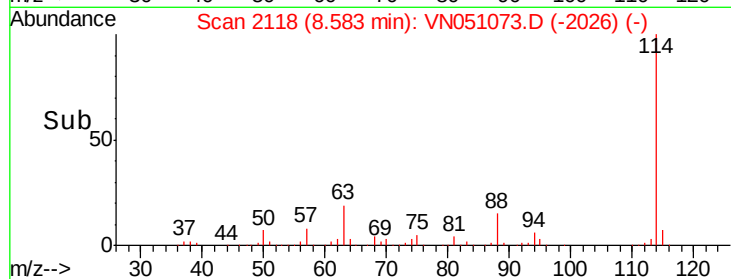
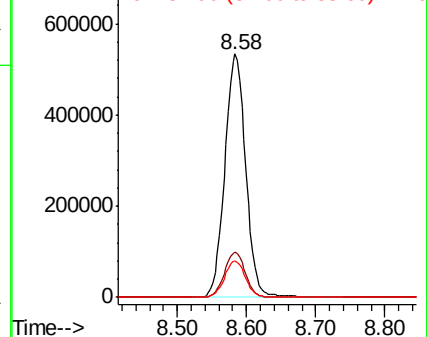
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBL01

Tot Ion:114 Resp: 1118585  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 37.8  
 88 15.0 0.0 30.8

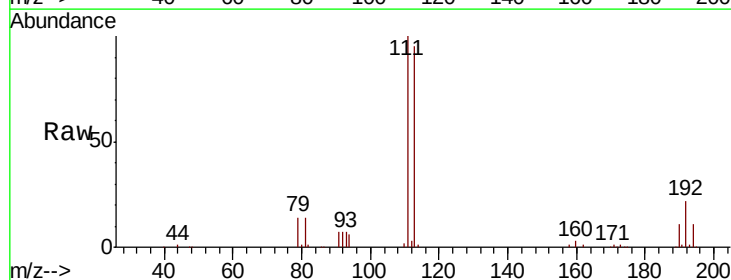


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

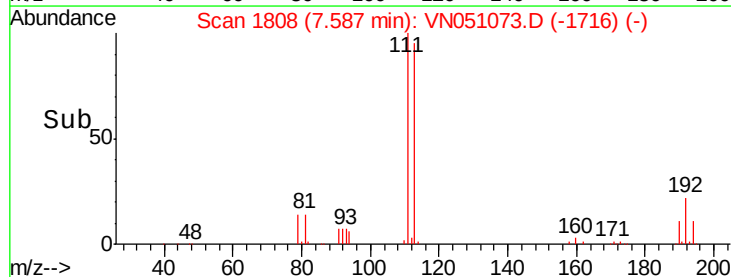
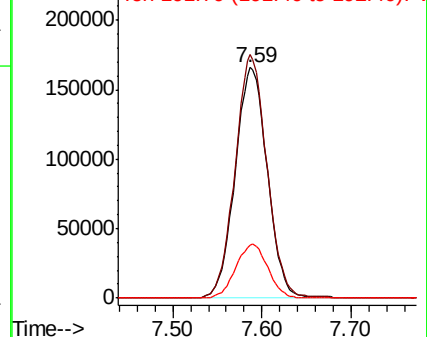


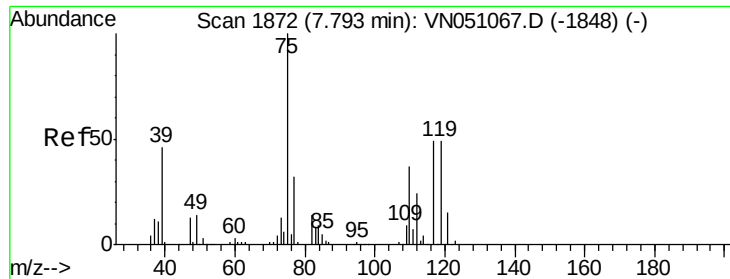
#35  
 Dibromofluoromethane  
 Concen: 49.57 ug/l  
 RT: 7.59 min Scan# 1808  
 Delta R.T. -0.00 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

Tgt Ion:113 Resp: 416654  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 83.0 124.6  
 192 23.2 18.7 28.1



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

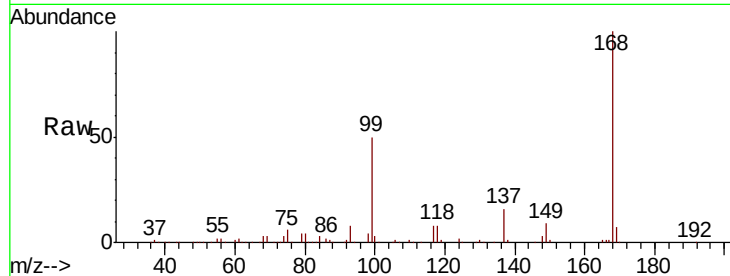




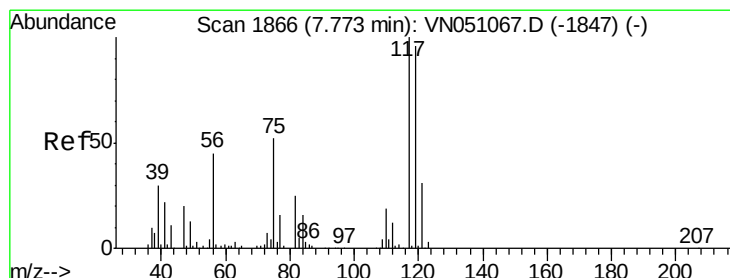
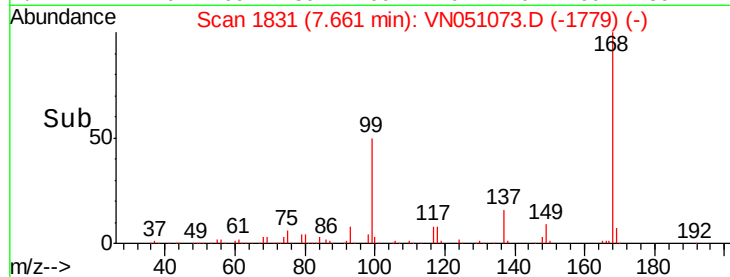
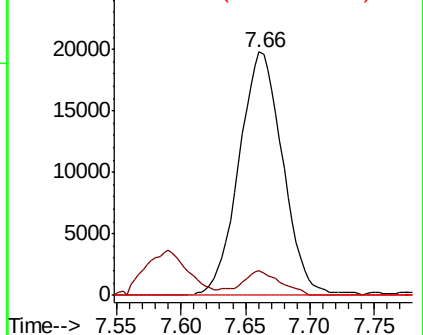
#36  
 1,1-Dichloropropene  
 Concen: 3.80 ug/l  
 RT: 7.66 min Scan# 1831  
 Delta R.T. -0.13 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0910WBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.4   | 18.6  | 55.8# |
| 77      | 0.0   | 25.2  | 37.8# |

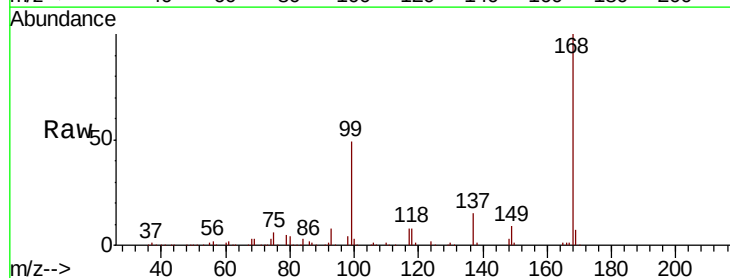


Abundance Ion 74.90 (74.60 to 75.60): VN0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VN0

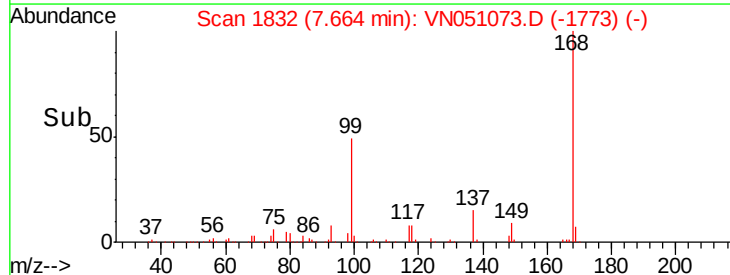
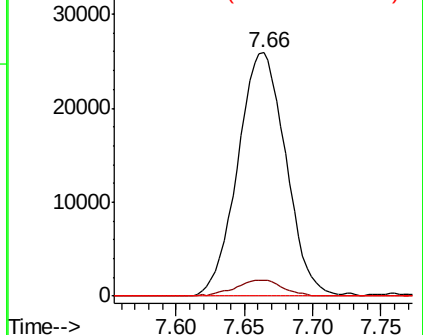


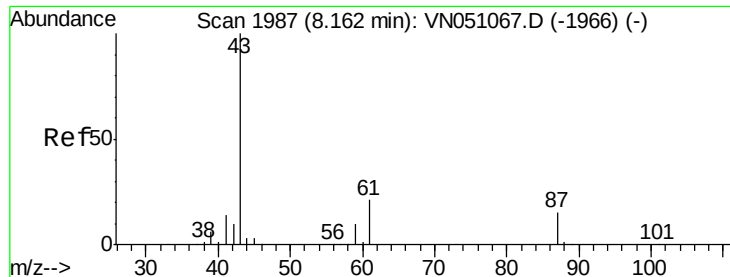
#38  
 Carbon Tetrachloride  
 Concen: 5.24 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.11 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 6.4   | 76.8  | 115.2# |
| 121     | 0.0   | 24.6  | 36.8#  |



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





#43

Isopropyl Acetate

Concen: 0.33 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.08 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBL01

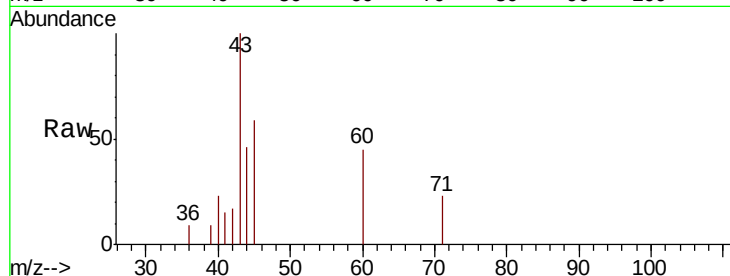
Tot Ion: 43 Resp: 4160

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

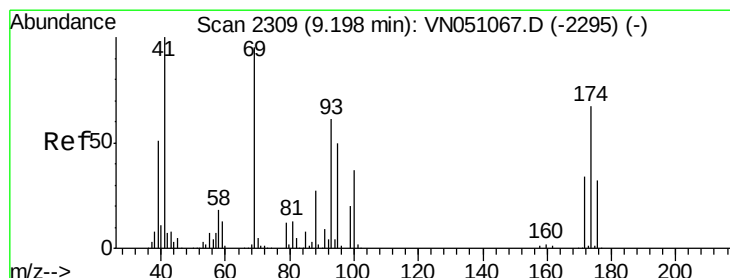
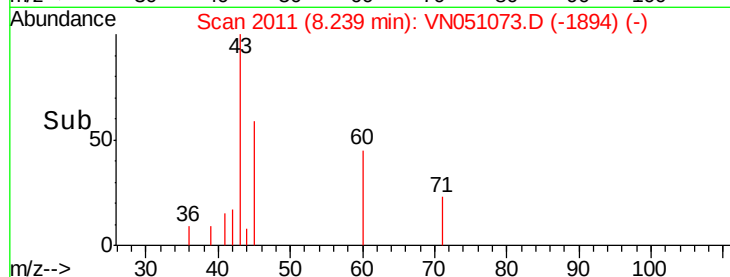
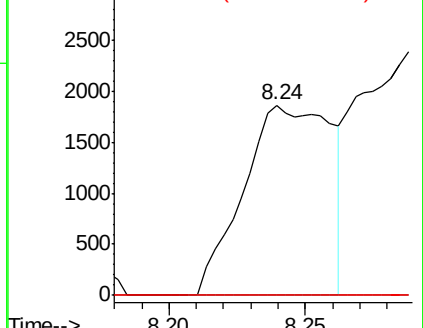
87 0.0 11.8 17.8#



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



#49

1,4-Dioxane

Concen: 1.51 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

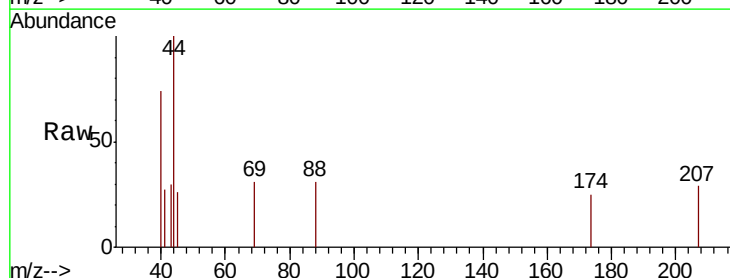
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 308.3 23.7 35.5#

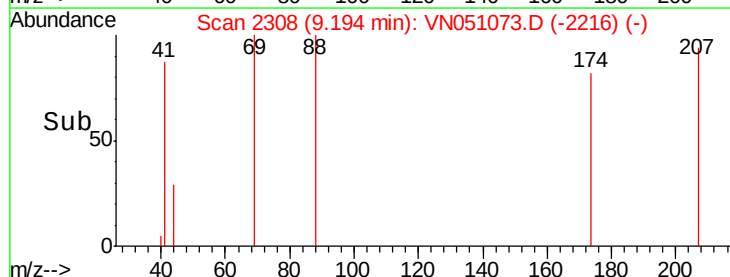
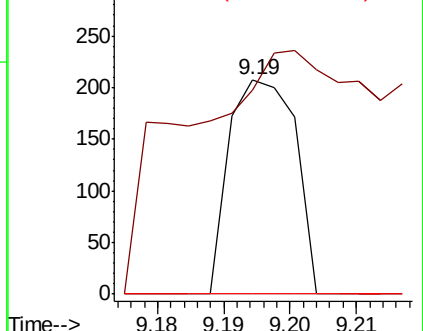
58 0.0 54.6 82.0#

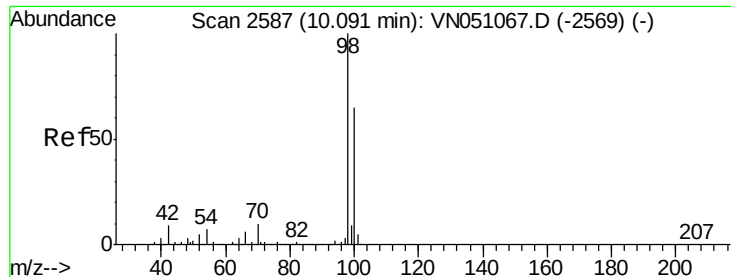


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

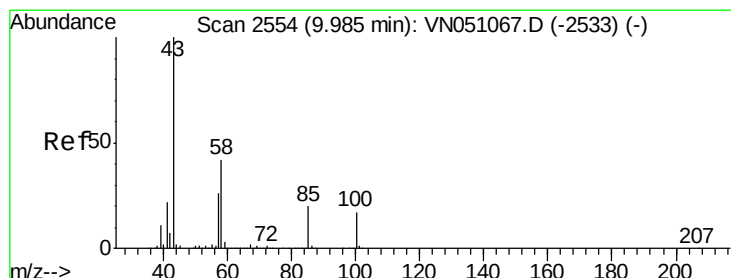
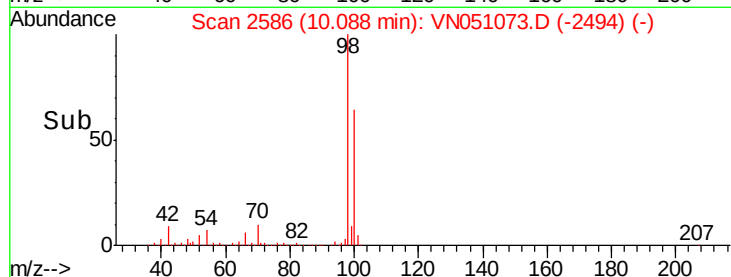
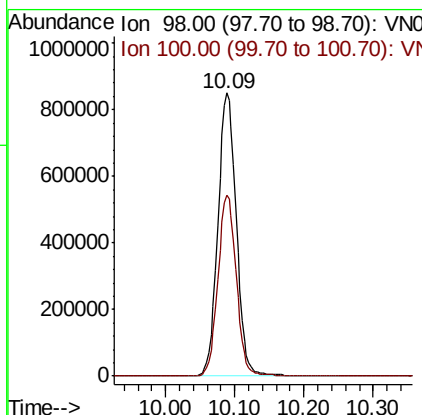
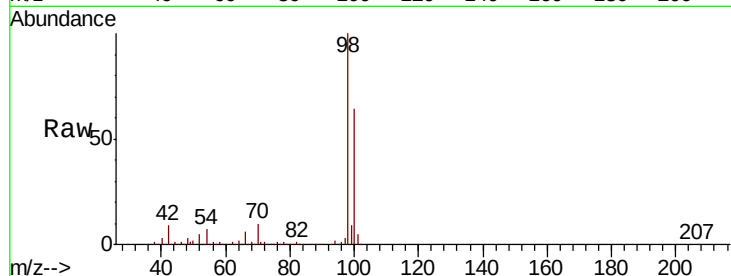




#50  
Toluene-d8  
Concen: 49.18 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN051073.D  
Acq: 10 Sep 2018 13:08

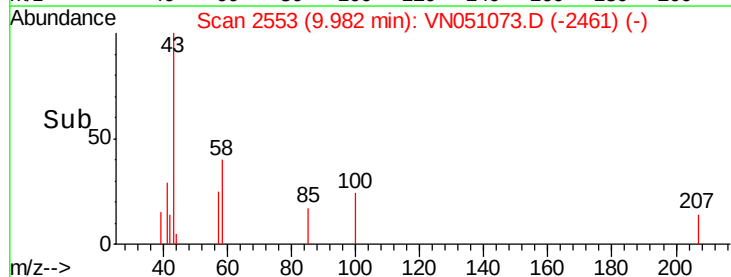
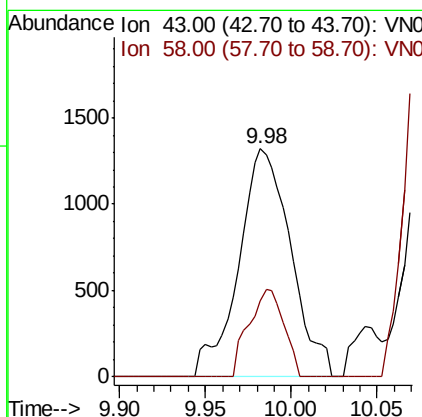
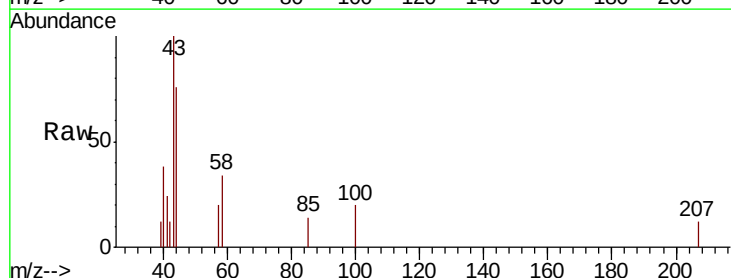
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL01

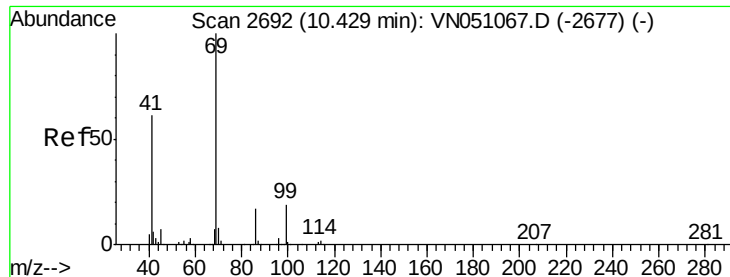
Tot Ion: 98 Resp: 1568735  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.40 ug/l  
RT: 9.98 min Scan# 2553  
Delta R.T. -0.00 min  
Lab File: VN051073.D  
Acq: 10 Sep 2018 13:08

Tgt Ion: 43 Resp: 2790  
Ion Ratio Lower Upper  
43 100  
58 25.7 33.5 50.3#





#56

Ethyl methacrylate

Concen: 2.53 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampled :

VN0910WBL01

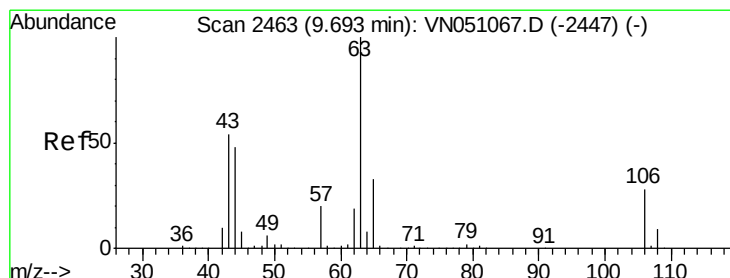
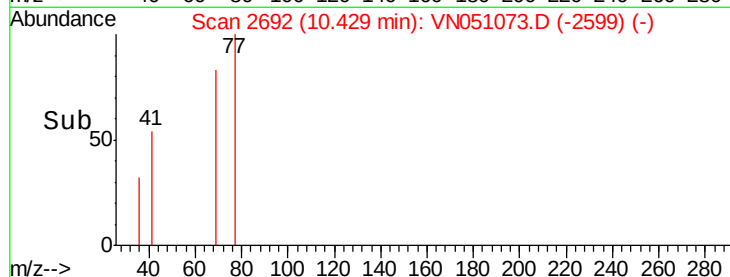
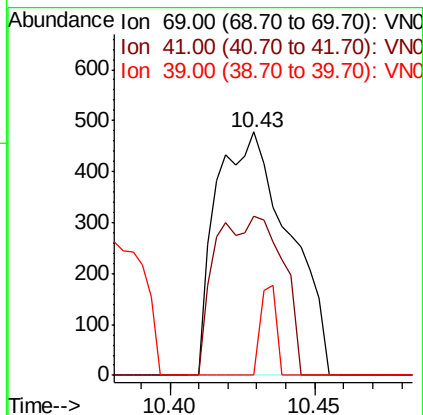
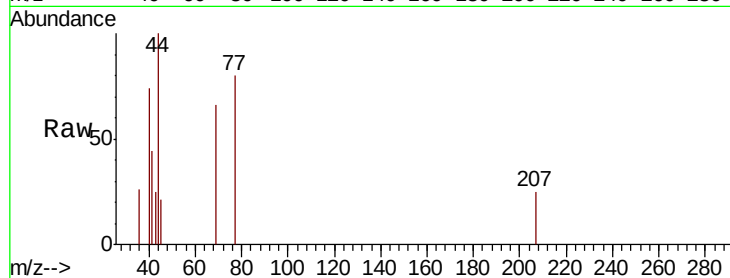
Tot Ion: 69 Resp: 833

Ion Ratio Lower Upper

69 100

41 23.8 47.8 71.8#

39 7.9 23.0 34.4#



#58

2-Chloroethyl Vinyl ether

Concen: 15.26 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051073.D

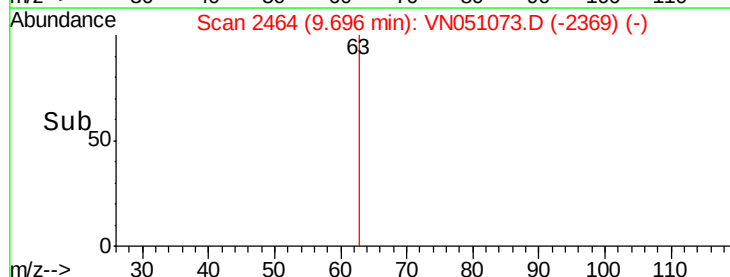
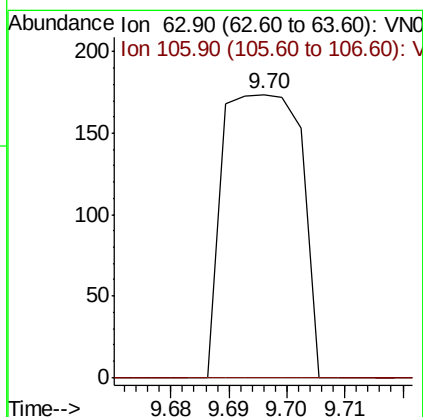
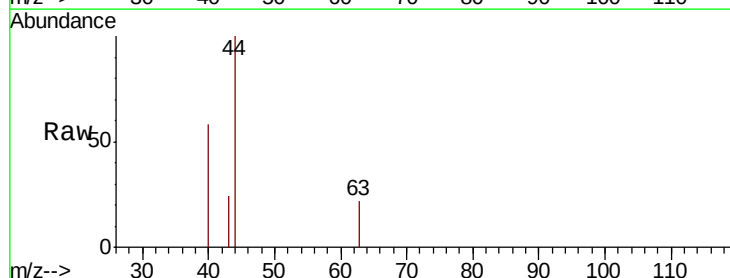
Acq: 10 Sep 2018 13:08

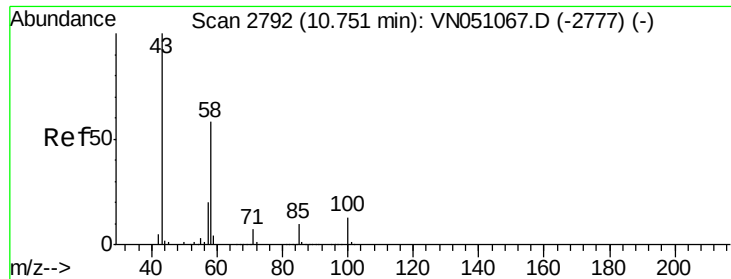
Tgt Ion: 63 Resp: 162

Ion Ratio Lower Upper

63 100

106 0.0 22.5 33.7#

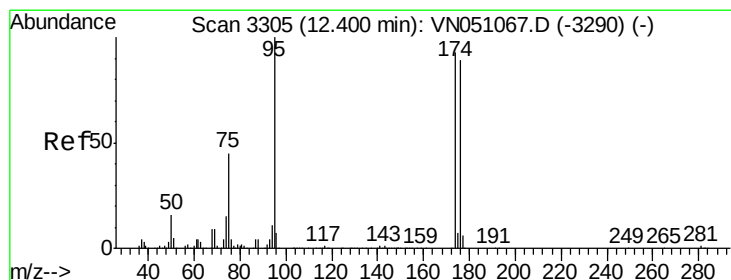
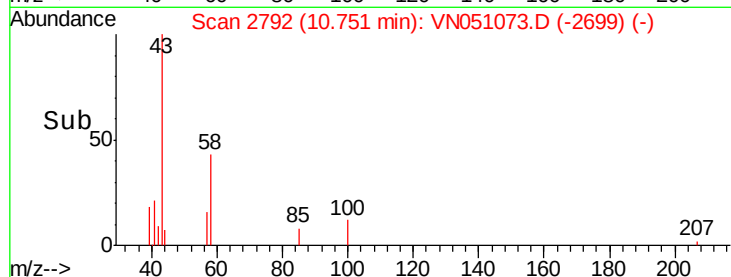
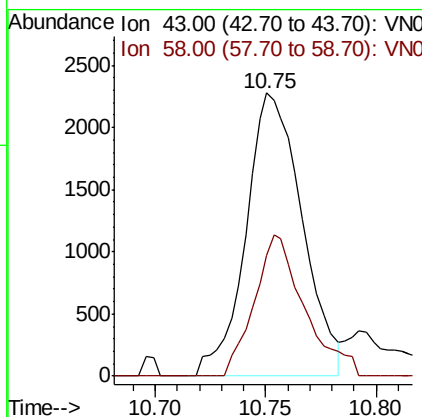
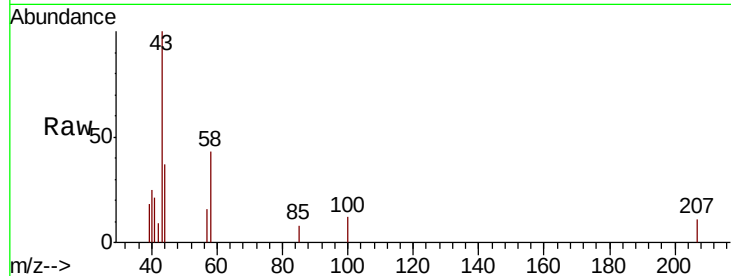




#59  
2-Hexanone  
Concen: 0.86 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN051073.D  
Acq: 10 Sep 2018 13:08

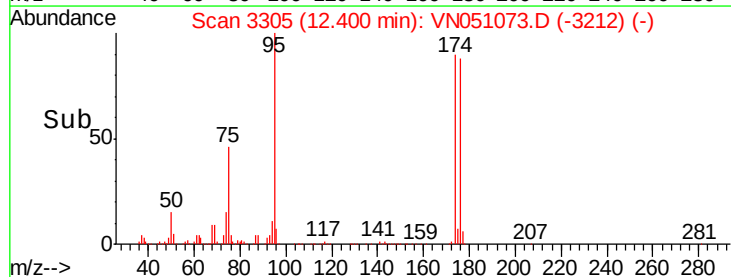
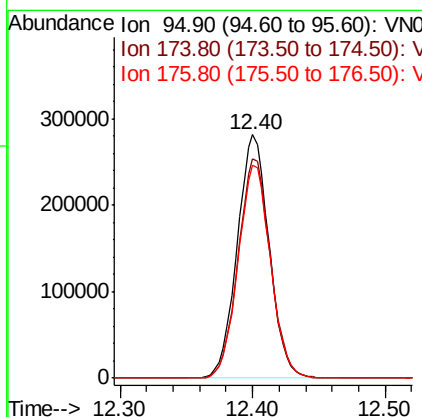
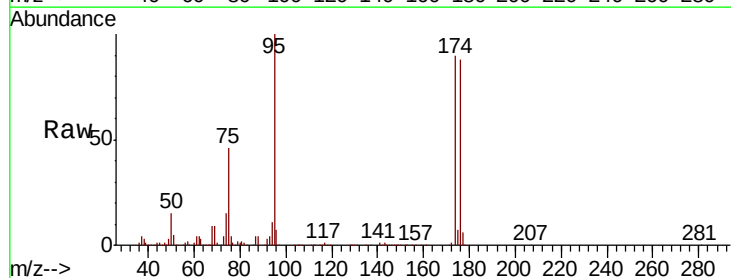
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0910WBL01

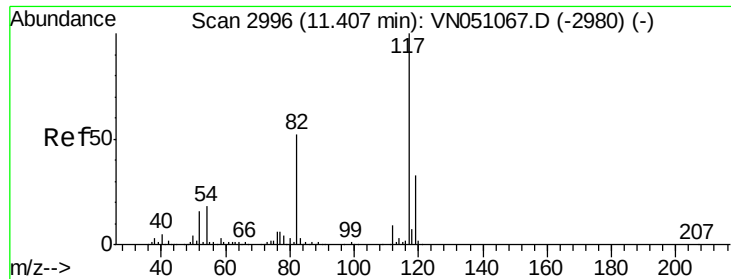
Tot Ion: 43 Resp: 4040  
Ion Ratio Lower Upper  
43 100  
58 44.4 29.3 88.0



#62  
4-Bromofluorobenzene  
Concen: 44.51 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN051073.D  
Acq: 10 Sep 2018 13:08

Tgt Ion: 95 Resp: 469598  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 184.8  
176 88.9 0.0 178.6

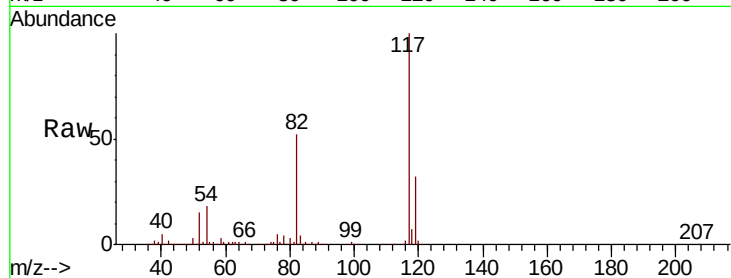




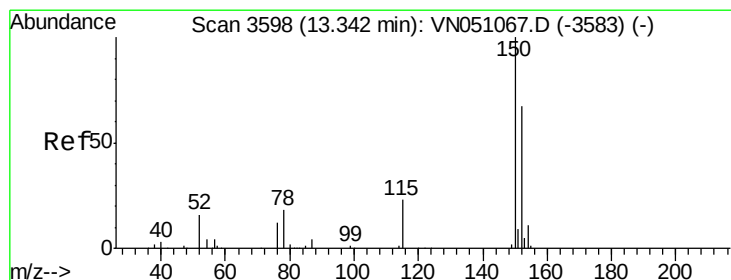
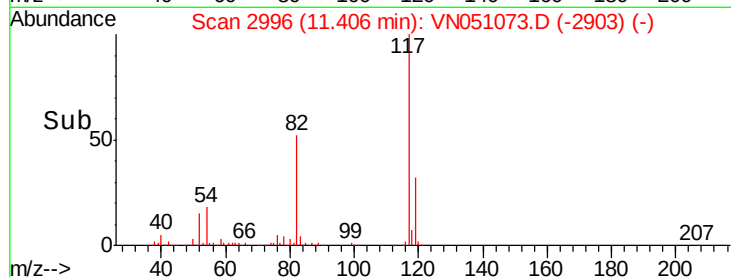
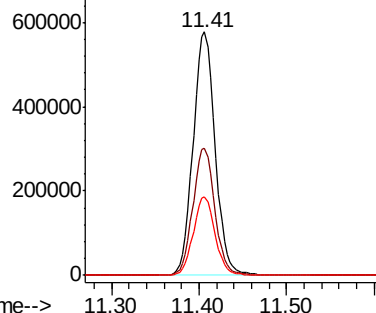
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051073.D  
Acq: 10 Sep 2018 13:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0910WBL01

Tot Ion:117 Resp: 1008299  
Ion Ratio Lower Upper  
117 100  
82 52.4 41.8 62.6  
119 32.0 26.2 39.2

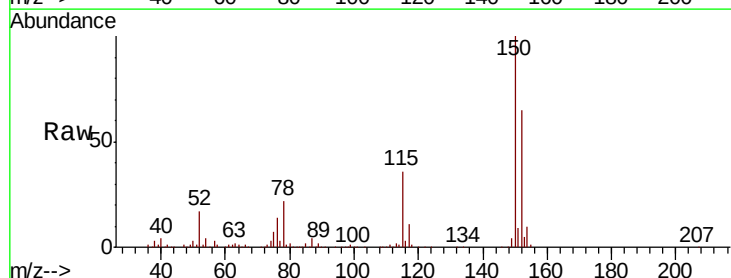


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

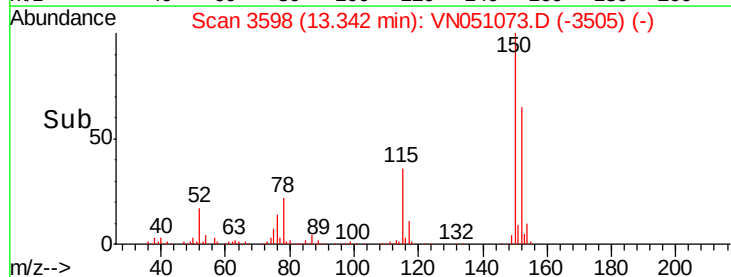
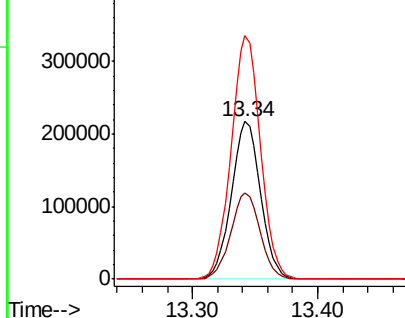


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN051073.D  
Acq: 10 Sep 2018 13:08

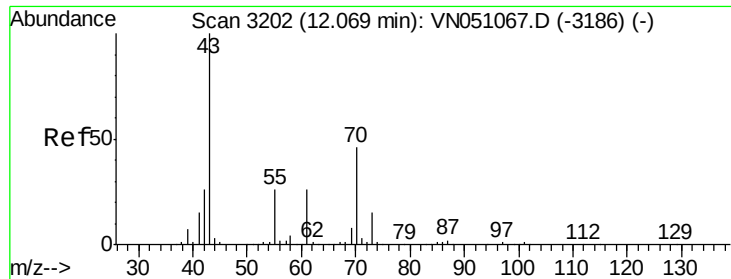
Tgt Ion:152 Resp: 349872  
Ion Ratio Lower Upper  
152 100  
115 54.9 28.2 84.7  
150 155.2 0.0 349.0



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-amvl acetate

Concen: 0.31 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampled :

VN0910WBL01

Tot Ion: 43 Resp: 2283

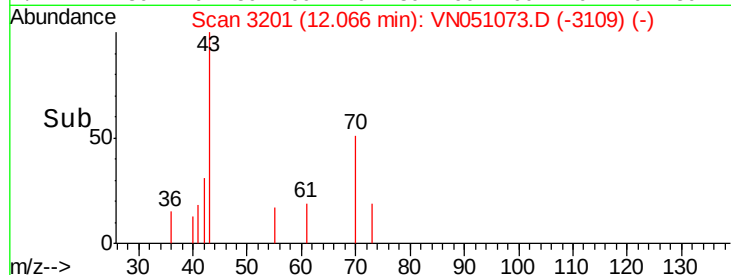
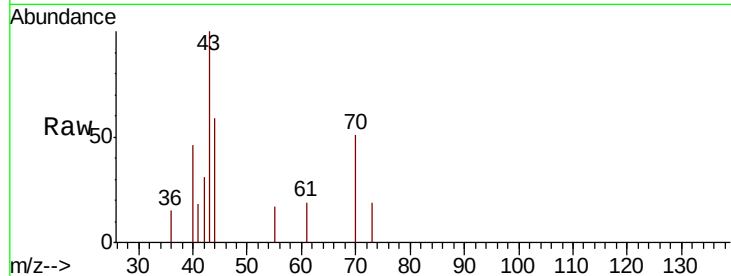
Ion Ratio Lower Upper

43 100

70 41.3 37.0 55.4

55 17.4 21.3 31.9#

61 13.3 20.7 31.1#

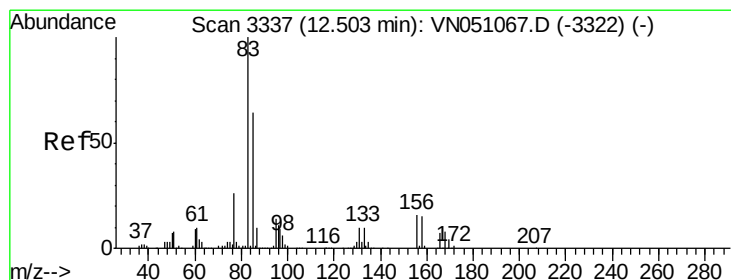
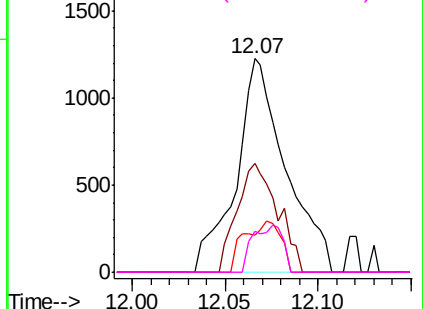


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

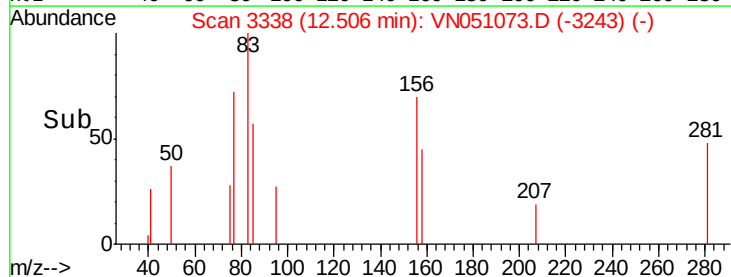
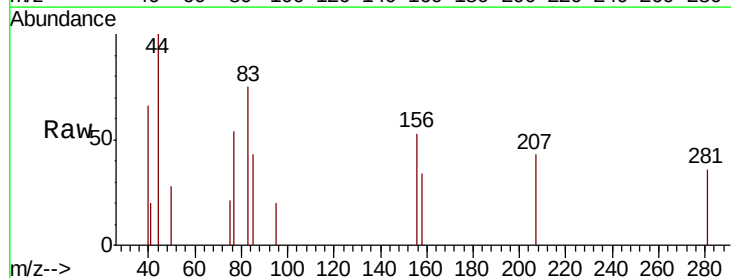
Tgt Ion: 83 Resp: 771

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

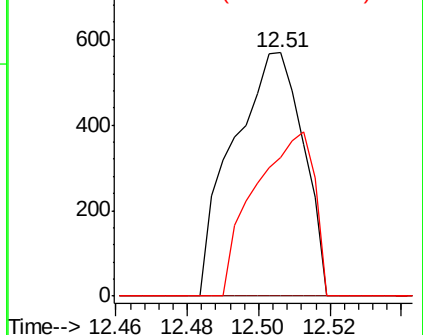
85 57.6 32.3 96.8

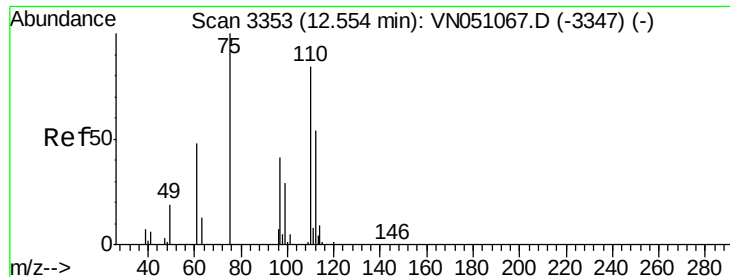


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 39.46 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampled :

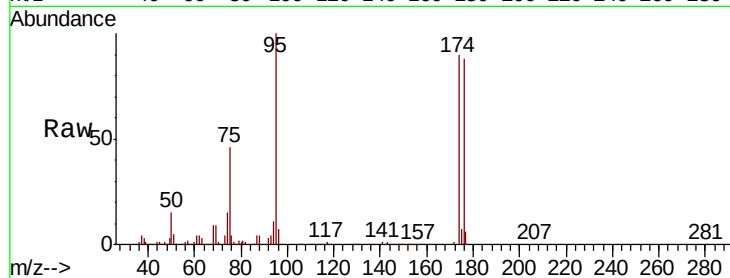
VN0910WBL01

Tot Ion: 75 Resp: 215762

Ion Ratio Lower Upper

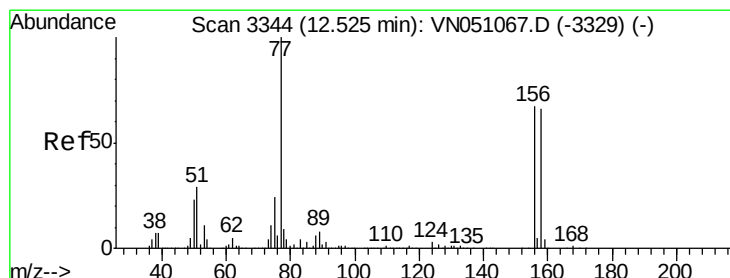
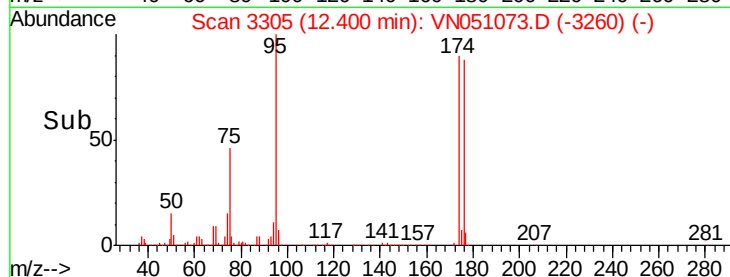
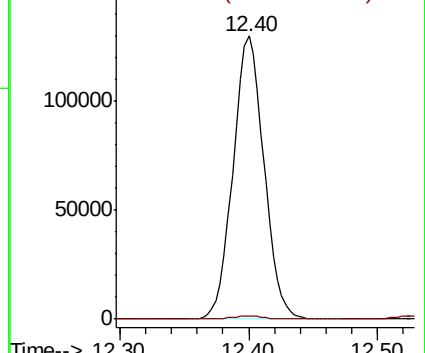
75 100

77 1.2 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: 0.23 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

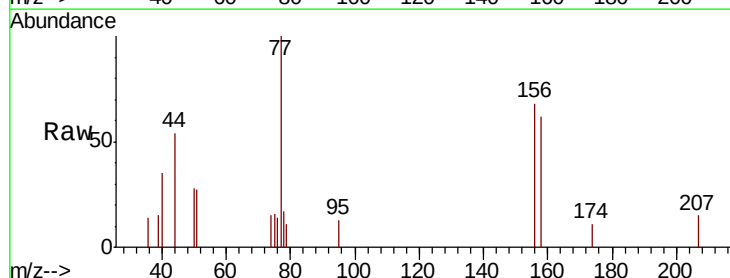
Tgt Ion: 156 Resp: 1811

Ion Ratio Lower Upper

156 100

77 138.4 87.5 262.6

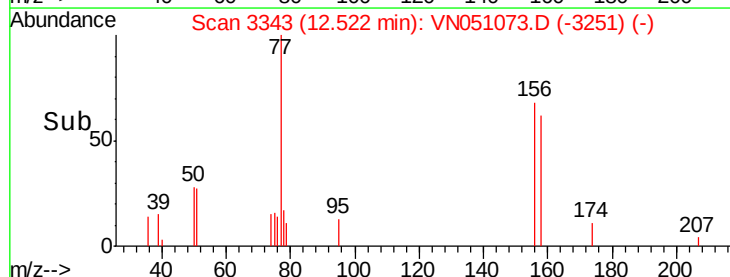
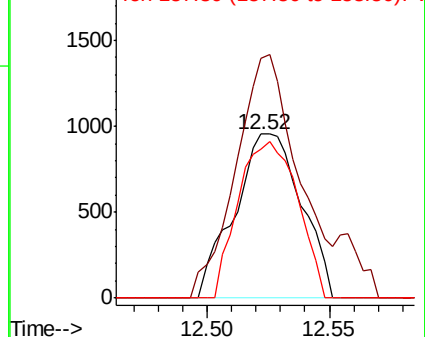
158 85.3 49.0 147.2

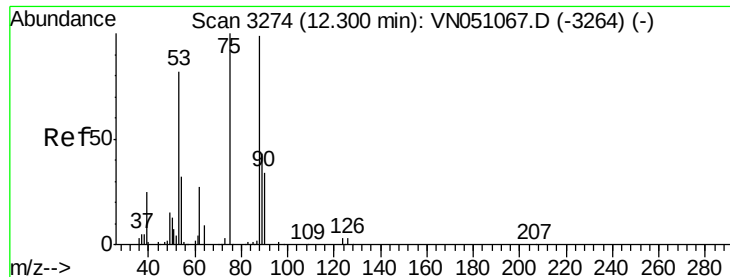


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.12 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBL01

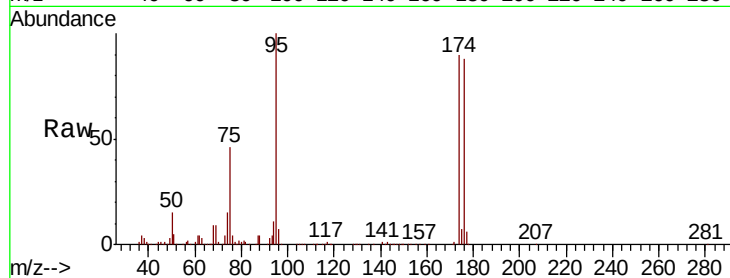
Tot Ion: 75 Resp: 215762

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

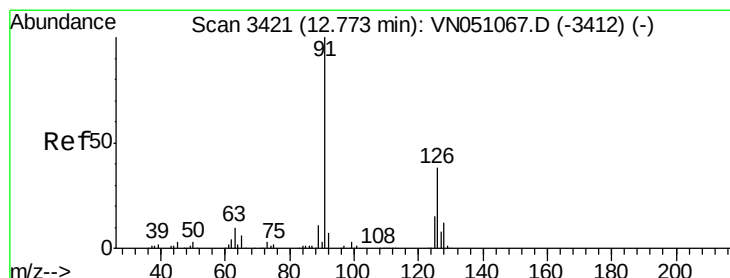
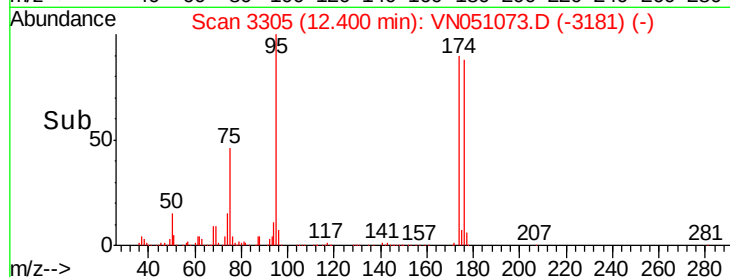
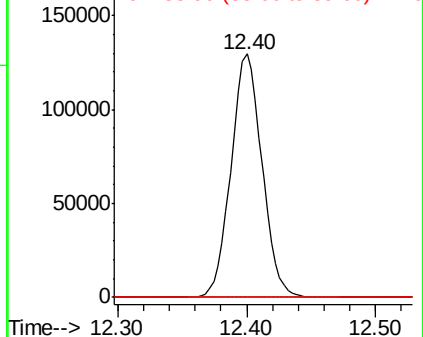
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.23 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN051073.D

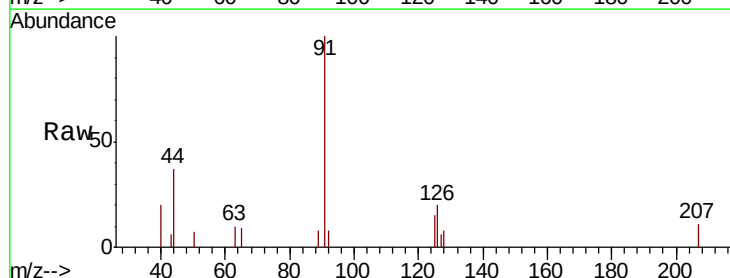
Acq: 10 Sep 2018 13:08

Tgt Ion: 91 Resp: 4592

Ion Ratio Lower Upper

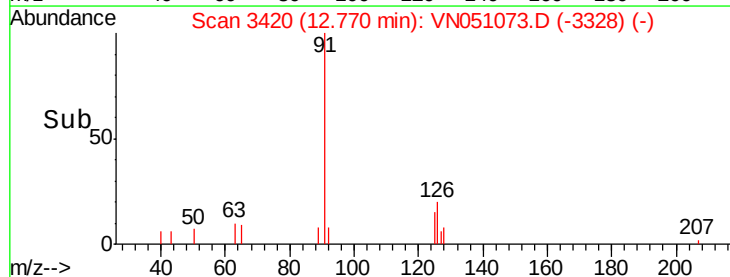
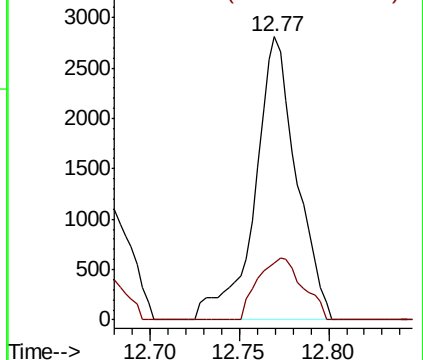
91 100

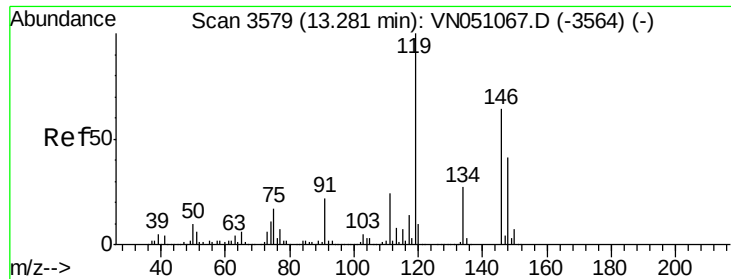
126 23.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

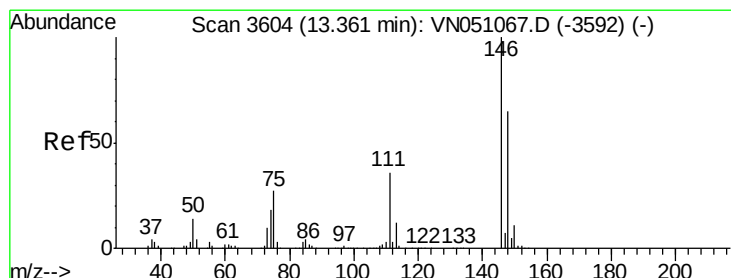
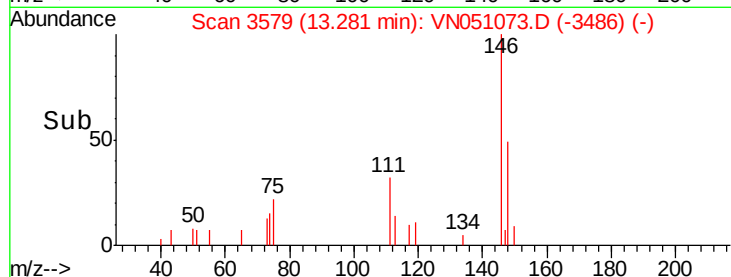
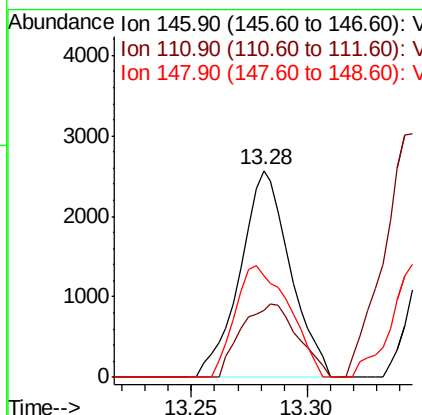
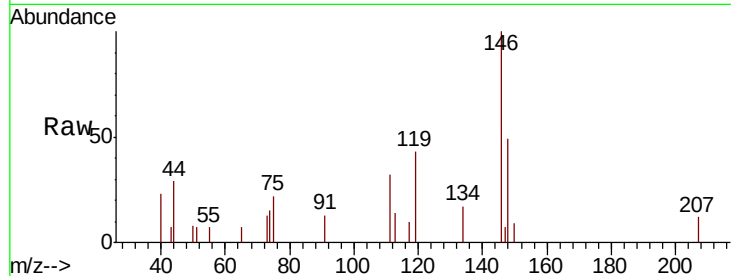




#87  
 1,3-Dichlorobenzene  
 Concen: 0.29 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

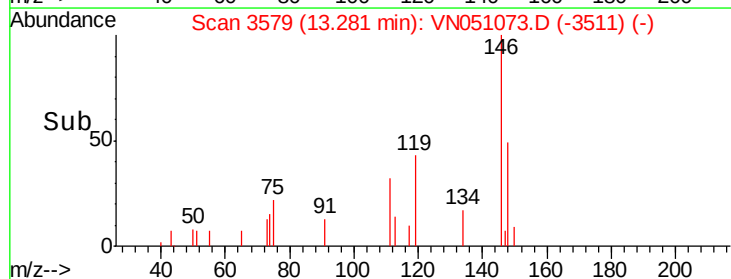
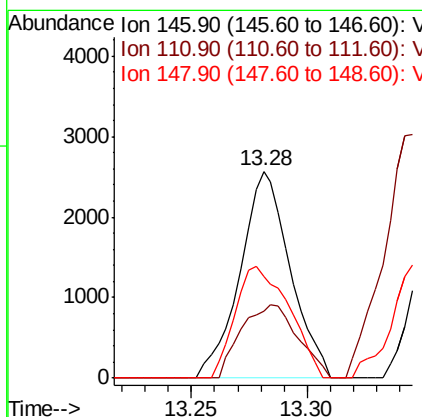
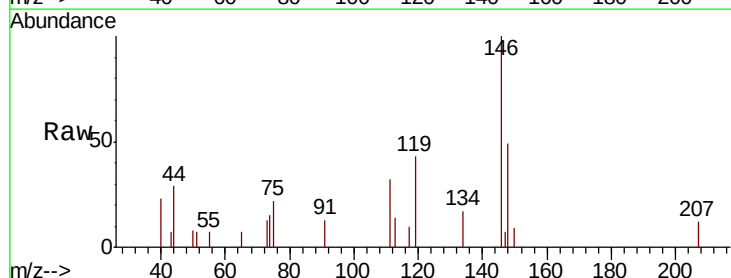
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBL01

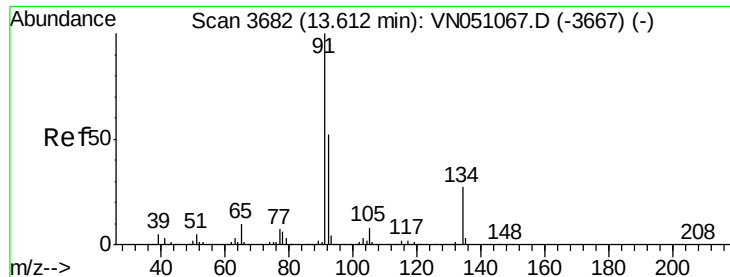
Tot Ion:146 Resp: 3858  
 Ion Ratio Lower Upper  
 146 100  
 111 39.9 19.1 57.1  
 148 58.1 32.2 96.6



#88  
 1,4-Dichlorobenzene  
 Concen: 0.33 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.08 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

Tgt Ion:146 Resp: 3858  
 Ion Ratio Lower Upper  
 146 100  
 111 39.9 18.4 55.0  
 148 58.1 32.2 96.6





#89

n-Butylbenzene

Concen: 0.26 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampled :

VN0910WBL01

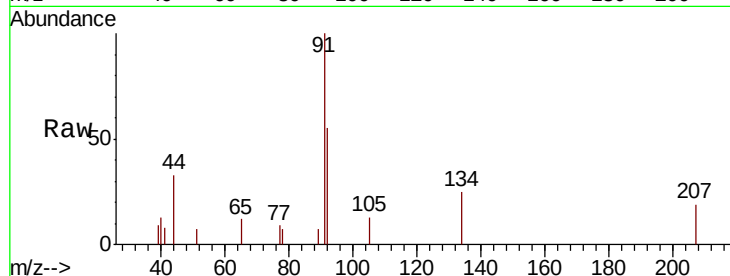
Tot Ion: 91 Resp: 4672

Ion Ratio Lower Upper

91 100

92 53.9 26.2 78.6

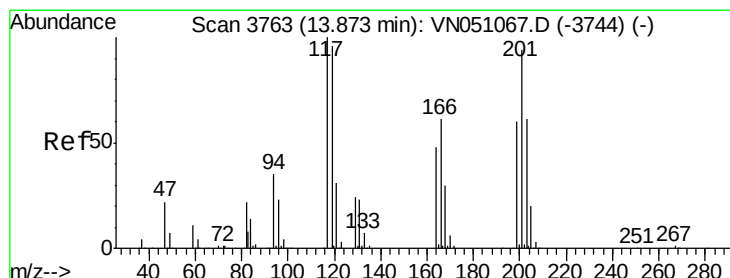
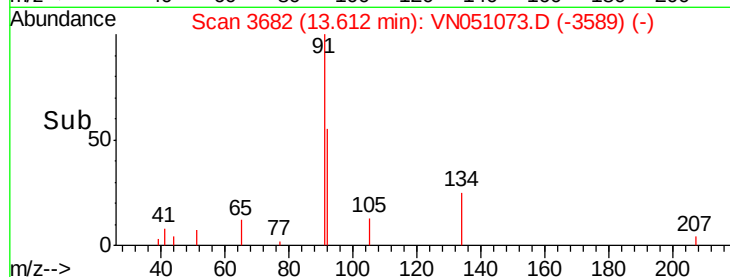
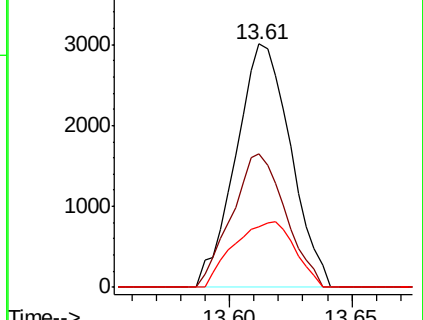
134 30.2 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN051073.D

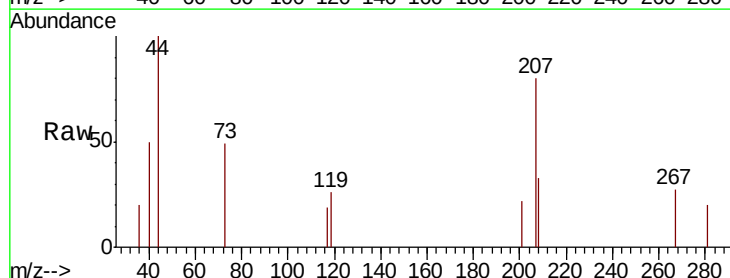
Acq: 10 Sep 2018 13:08

Tgt Ion: 117 Resp: 62

Ion Ratio Lower Upper

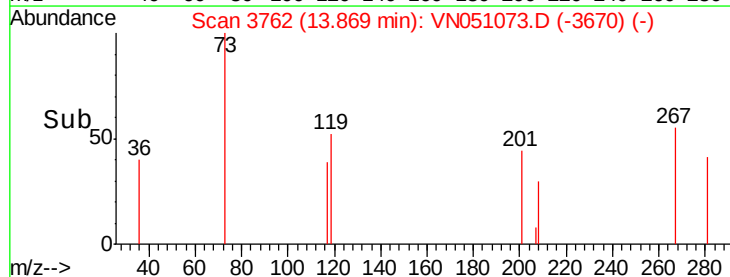
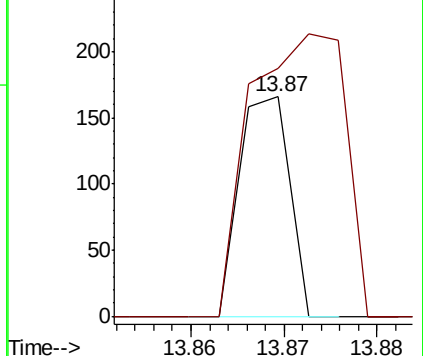
117 100

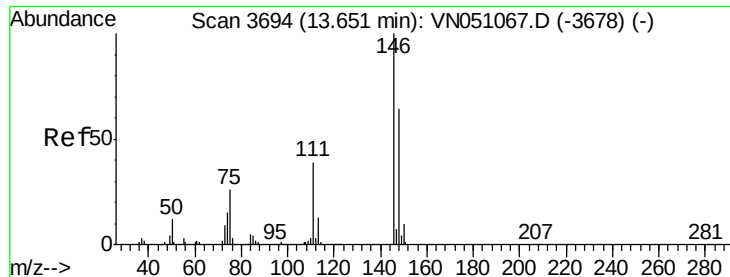
201 245.2 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.27 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampled :

VN0910WBL01

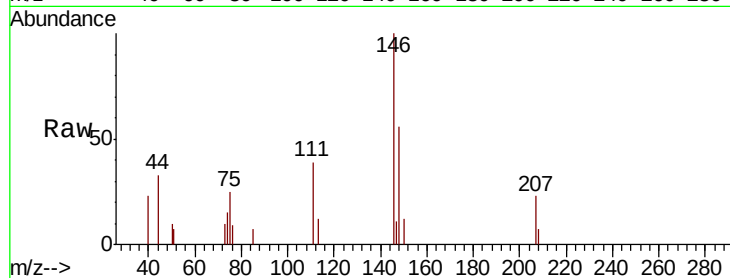
Tot Ion:146 Resp: 3518

Ion Ratio Lower Upper

146 100

111 45.9 19.7 59.0

148 65.9 32.1 96.3

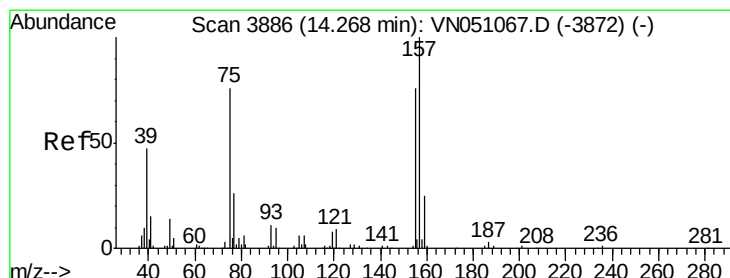
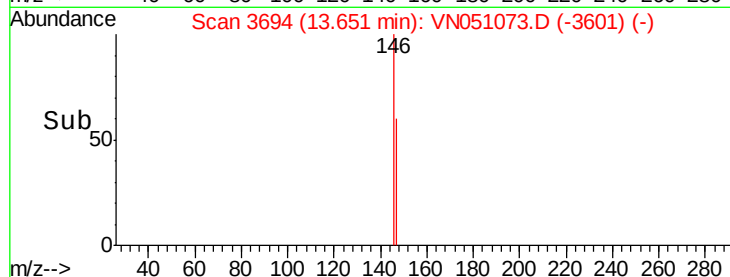
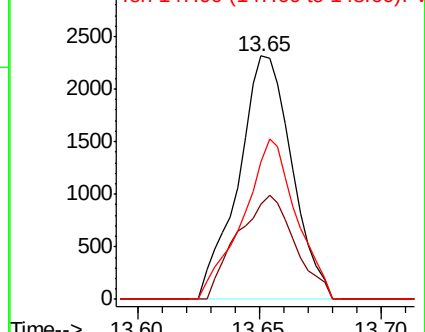


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.81 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

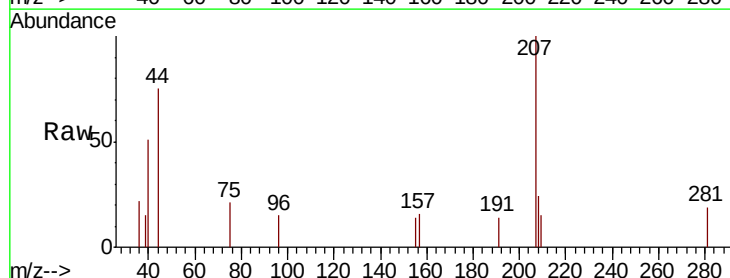
Tgt Ion: 75 Resp: 161

Ion Ratio Lower Upper

75 100

155 60.2 48.7 146.1

157 83.2 63.6 190.9

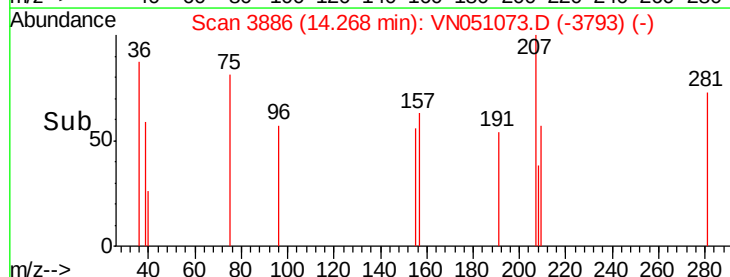
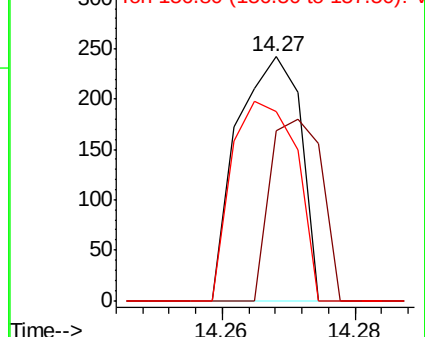


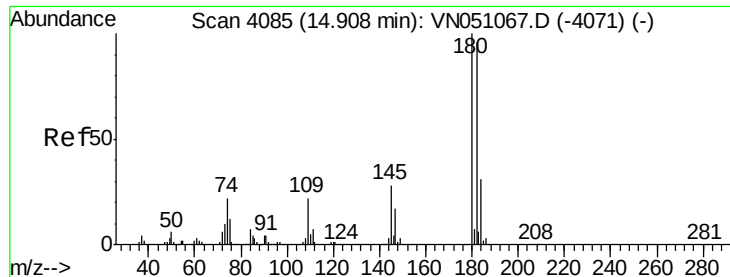
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

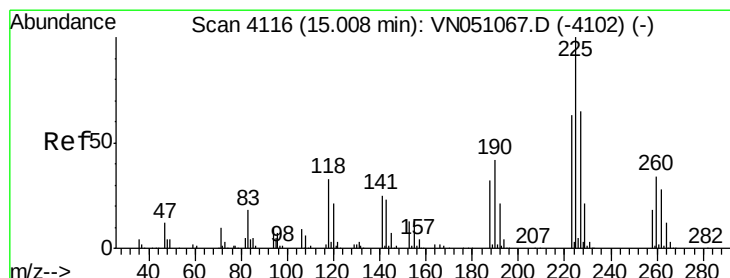
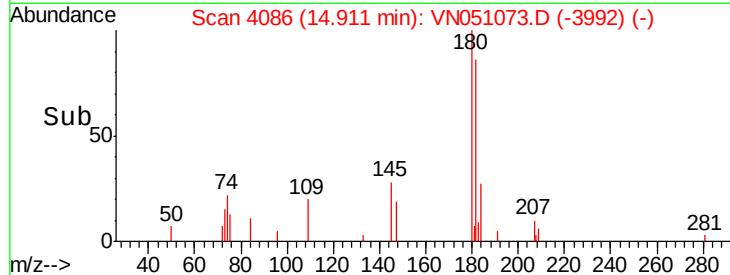
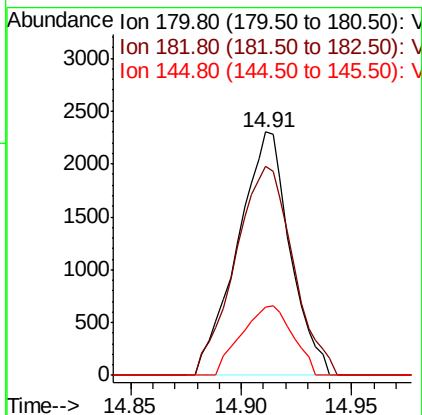
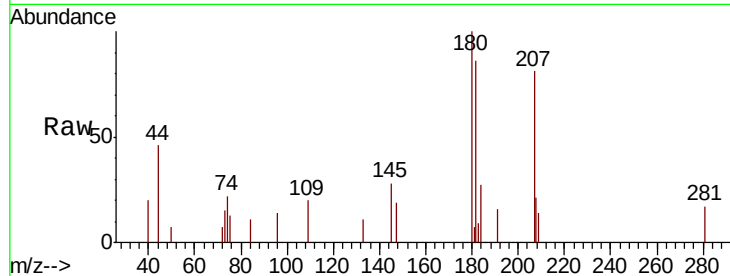




#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.54 ua/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

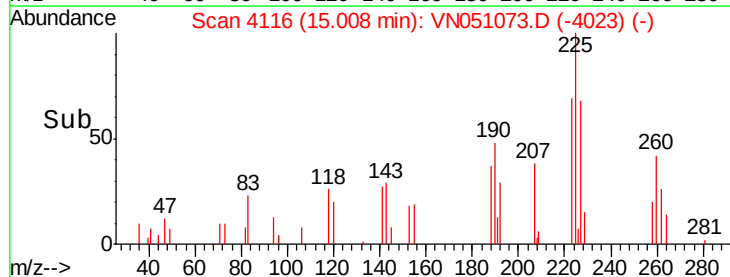
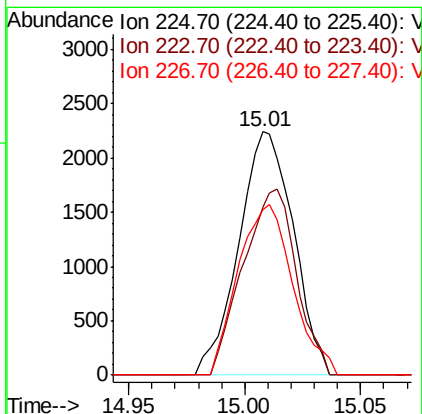
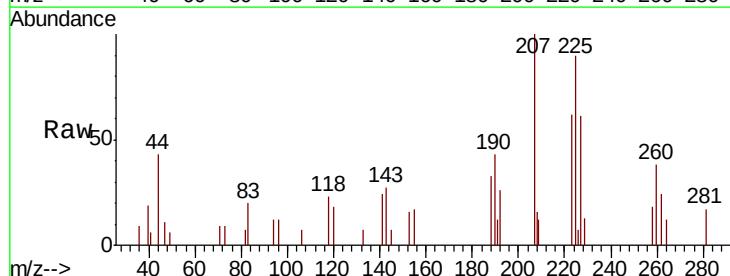
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0910WBL01

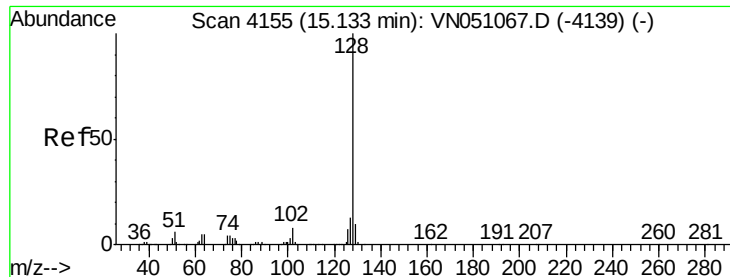
Tot Ion:180 Resp: 3790  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 47.3 141.8  
 145 27.8 14.2 42.6



#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN051073.D  
 Acq: 10 Sep 2018 13:08

Tgt Ion:225 Resp: 3673  
 Ion Ratio Lower Upper  
 225 100  
 223 74.5 31.4 94.0  
 227 70.2 32.1 96.3





#95

Naphthalene

Concen: 5.89 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0910WBL01

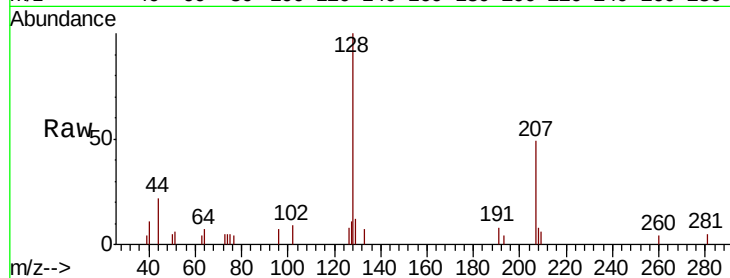
Tot Ion:128 Resp: 8154

Ion Ratio Lower Upper

128 100

127 11.3 10.6 15.8

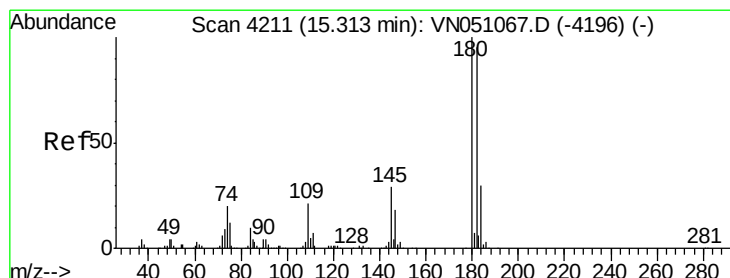
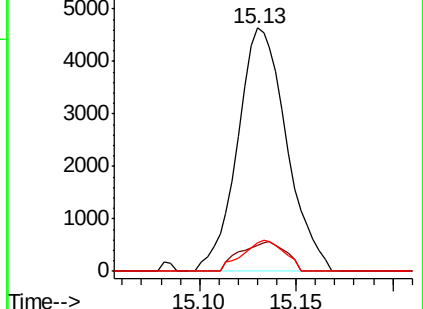
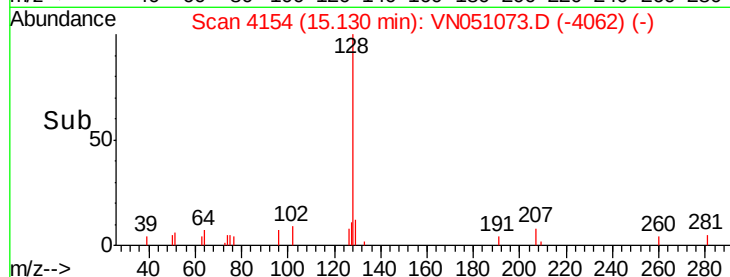
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.59 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051073.D

Acq: 10 Sep 2018 13:08

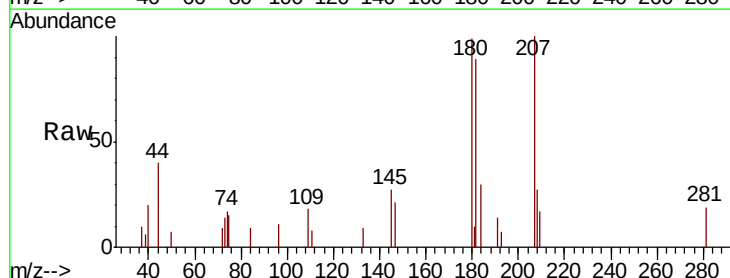
Tgt Ion:180 Resp: 4112

Ion Ratio Lower Upper

180 100

182 98.2 47.8 143.3

145 27.2 14.6 43.8



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

