

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN110618\  
 Data File : VN052182.D  
 Acq On : 6 Nov 2018 10:48  
 Operator : MD\SY  
 Sample : J5805-07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-SAMPLES(31-35)

Quant Time: Nov 06 11:19:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 05 15:24:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 311974   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 564024   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 547064   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 221879   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 240486   | 65.01 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 130.02% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 213788   | 61.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 122.10% |      |
| 50) Toluene-d8              | 10.09  | 98  | 834559   | 61.64 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 123.28% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 277654   | 62.47 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 124.94% |      |

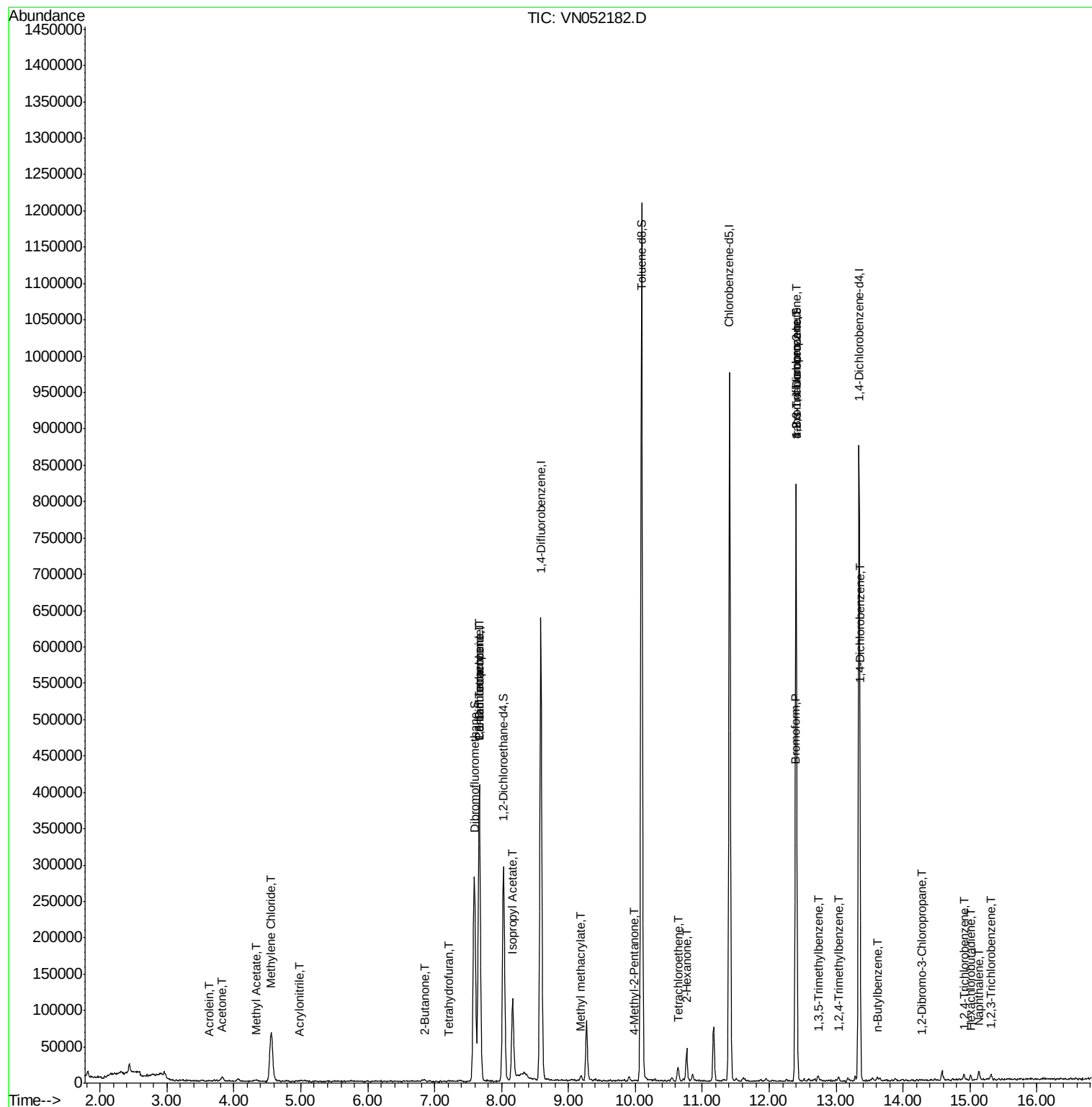
| Target Compounds               |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 13) Acrolein                   | 3.64  | 56  | 174    | 33.317    | ug/l # | 12  |
| 15) Acrylonitrile              | 4.99  | 53  | 232    | 0.219     | ug/l   | 87  |
| 16) Acetone                    | 3.82  | 43  | 8739   | 10.427    | ug/l   | 99  |
| 18) Methyl Acetate             | 4.32  | 43  | 1350   | 0.520     | ug/l # | 76  |
| 20) Methylene Chloride         | 4.56  | 84  | 49112  | 14.103    | ug/l   | 94  |
| 25) 2-Butanone                 | 6.85  | 43  | 845    | 0.650     | ug/l # | 50  |
| 29) Tetrahydrofuran            | 7.22  | 42  | 247    | 0.307     | ug/l # | 57  |
| 31) Cyclohexane                | 7.66  | 56  | 7948   | Below Cal | #      | 8   |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 26642  | 5.340     | ug/l # | 53  |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 31957  | 6.411     | ug/l # | 17  |
| 43) Isopropyl Acetate          | 8.17  | 43  | 138931 | 24.403    | ug/l   | 99  |
| 48) Methyl methacrylate        | 9.18  | 41  | 3634   | 1.326     | ug/l # | 17  |
| 49) 1,4-Dioxane                | 9.25  | 88  | 30     | Below Cal | #      | 1   |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43  | 1613   | 0.536     | ug/l   | 89  |
| 59) 2-Hexanone                 | 10.76 | 43  | 7035   | 3.360     | ug/l # | 53  |
| 64) Tetrachloroethene          | 10.63 | 164 | 1218   | 0.344     | ug/l # | 78  |
| 71) Bromoform                  | 12.38 | 173 | 262    | 2.894     | ug/l # | 29  |
| 74) N-amyl acetate             | 12.09 | 43  | 118    | Below Cal | #      | 11  |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 142648 | 48.641    | ug/l # | 100 |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 3183   | 0.234     | ug/l   | 86  |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 142648 | 146.279   | ug/l # | 9   |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 2879   | 0.213     | ug/l   | 97  |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146 | 1819   | 0.257     | ug/l # | 56  |
| 89) n-Butylbenzene             | 13.62 | 91  | 3023   | 0.256     | ug/l   | 97  |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75  | 119    | 0.245     | ug/l # | 27  |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 2143   | 2.890     | ug/l   | 88  |
| 94) Hexachlorobutadiene        | 15.01 | 225 | 1058   | 0.339     | ug/l   | 85  |
| 95) Naphthalene                | 15.13 | 128 | 10422  | 1.534     | ug/l # | 95  |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180 | 2271   | 2.544     | ug/l   | 85  |

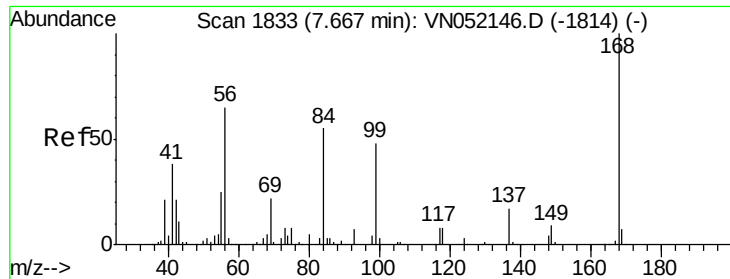
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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COMP-SAMPLES(31-35)

Quant Time: Nov 06 11:19:19 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N110518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 05 15:24:48 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

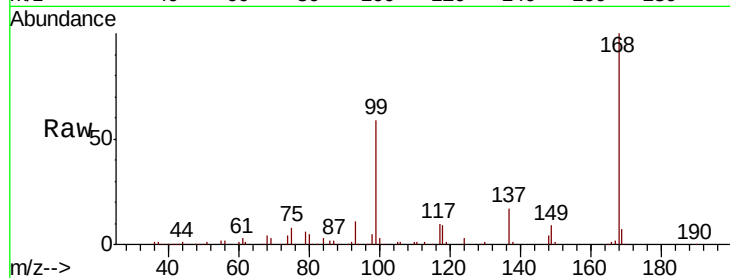
COMP-SAMPLES(31-35)

Tgt Ion:168 Resp: 311974

Ion Ratio Lower Upper

168 100

99 59.4 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052182.D

Ion 98.90 (98.60 to 99.60): VN052182.D

7.67

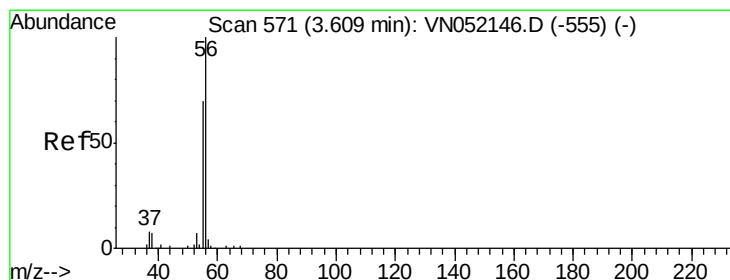
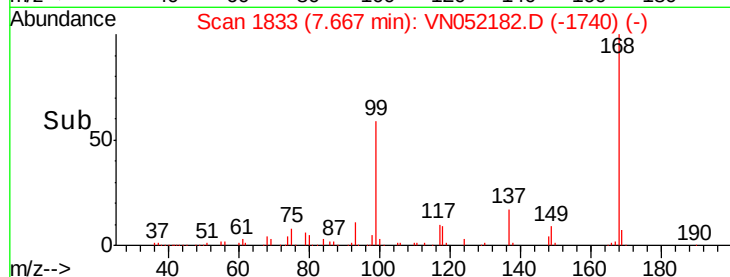
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 33.317 ug/l

RT: 3.64 min Scan# 579

Delta R.T. 0.03 min

Lab File: VN052182.D

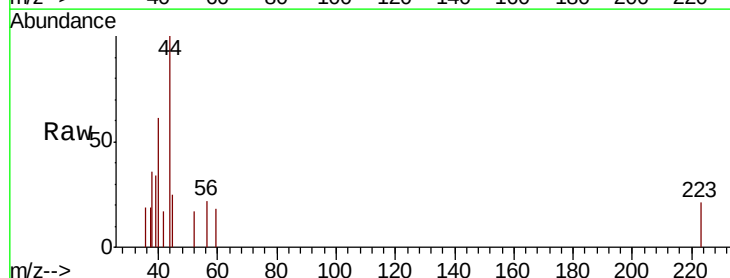
Acq: 6 Nov 2018 10:48

Tgt Ion: 56 Resp: 174

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052182.D

Ion 55.00 (54.70 to 55.70): VN052182.D

3.64

200

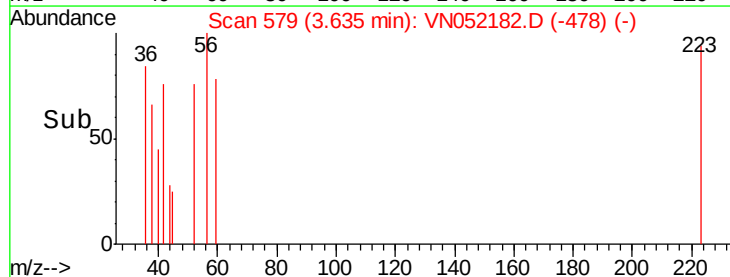
150

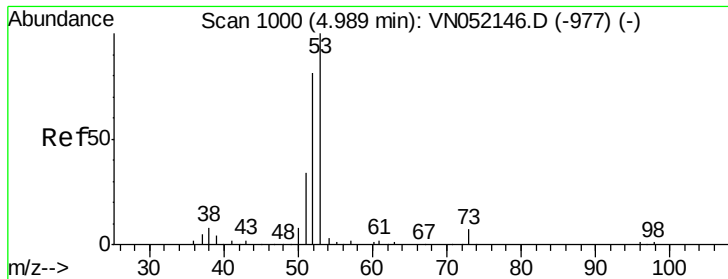
100

50

0

Time-->





#15

Acrylonitrile

Concen: 0.219 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLES(31-35)

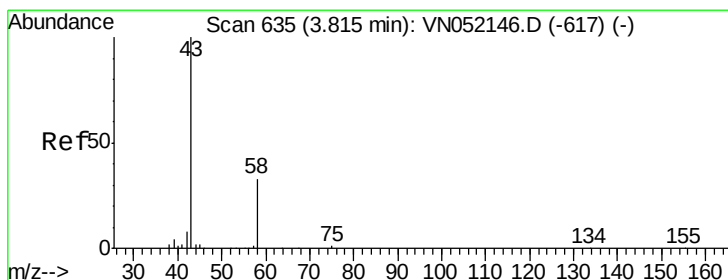
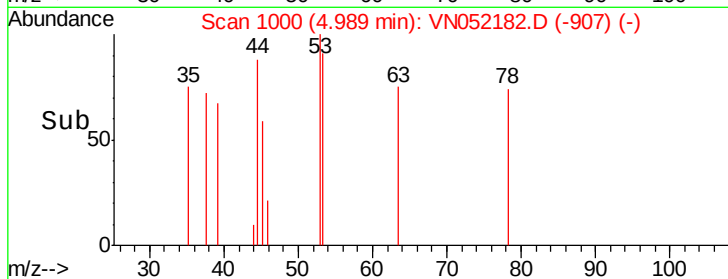
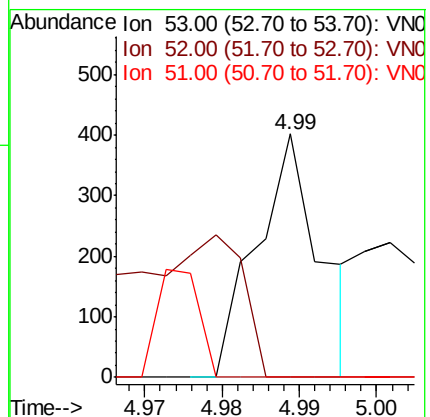
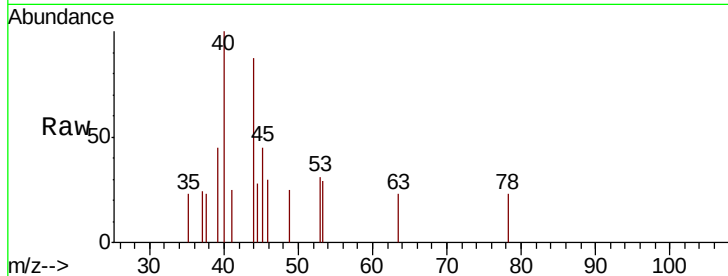
Tgt Ion: 53 Resp: 232

Ion Ratio Lower Upper

53 100

52 95.3 66.6 100.0

51 29.3 29.0 43.6



#16

Acetone

Concen: 10.427 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052182.D

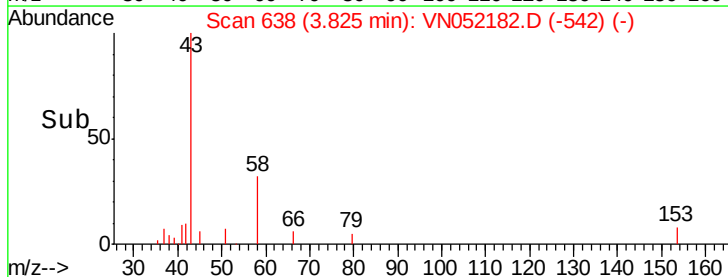
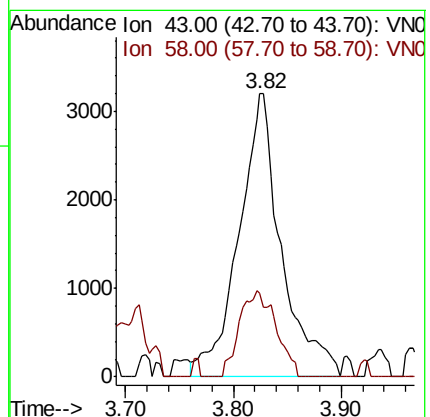
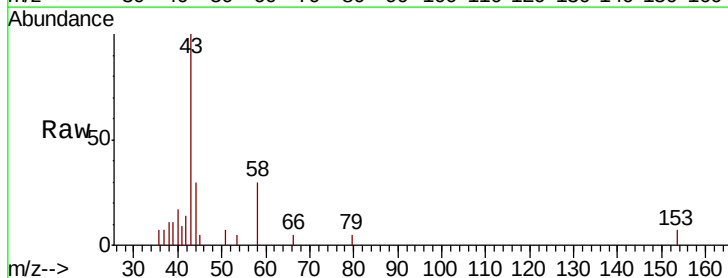
Acq: 6 Nov 2018 10:48

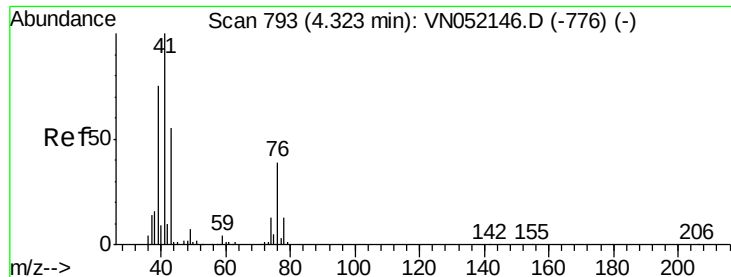
Tgt Ion: 43 Resp: 8739

Ion Ratio Lower Upper

43 100

58 29.5 24.2 36.2

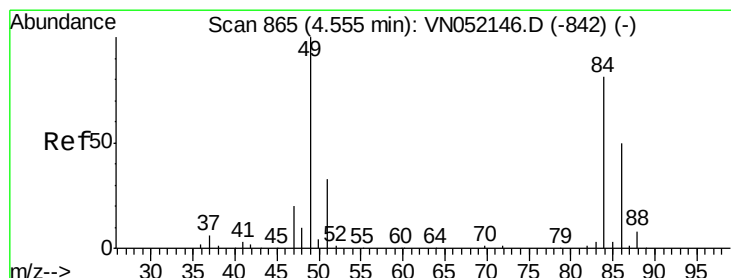
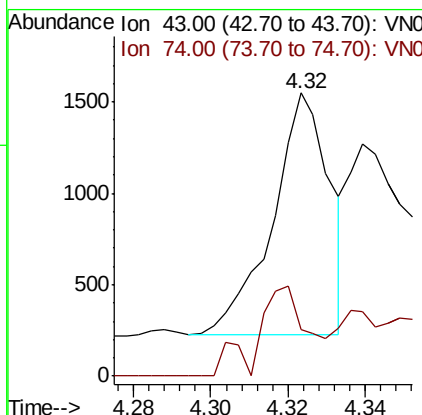
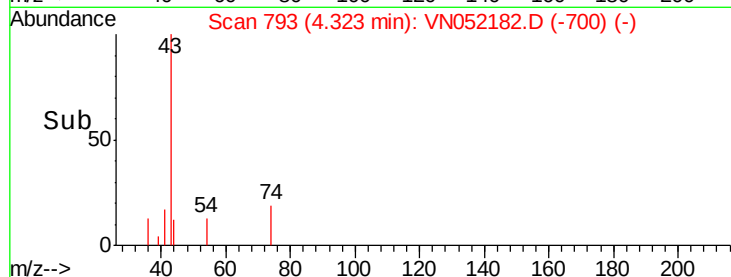
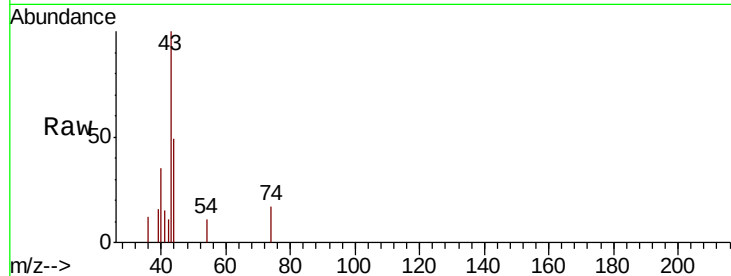




#18  
Methyl Acetate  
Concen: 0.520 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: VN052182.D  
Acq: 6 Nov 2018 10:48

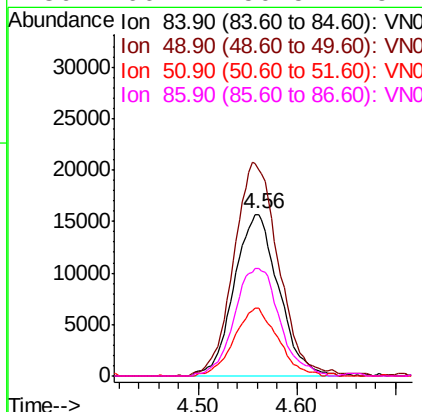
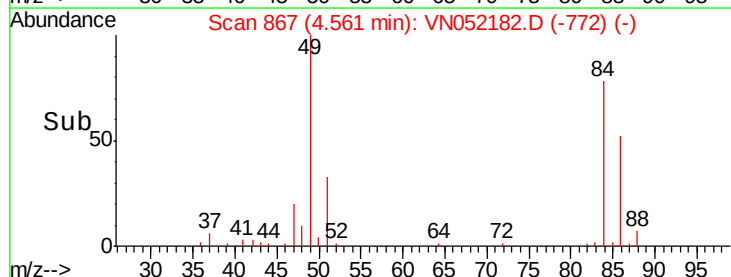
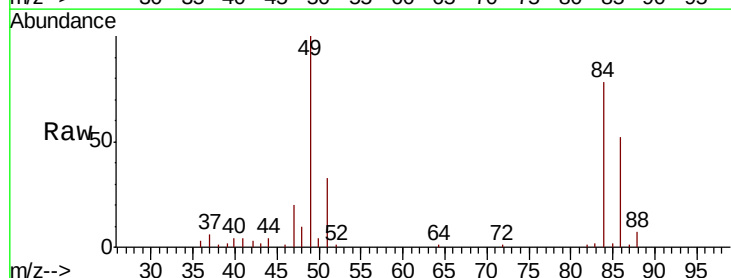
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-SAMPLES(31-35)

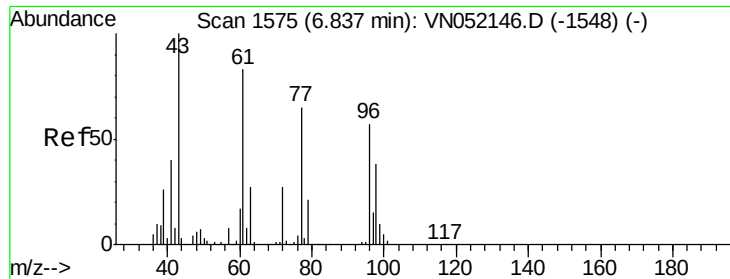
Tgt Ion: 43 Resp: 1350  
Ion Ratio Lower Upper  
43 100  
74 33.7 17.9 26.9#



#20  
Methylene Chloride  
Concen: 14.103 ug/l  
RT: 4.56 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VN052182.D  
Acq: 6 Nov 2018 10:48

Tgt Ion: 84 Resp: 49112  
Ion Ratio Lower Upper  
84 100  
49 127.4 110.6 165.8  
51 42.3 33.7 50.5  
86 66.4 50.5 75.7

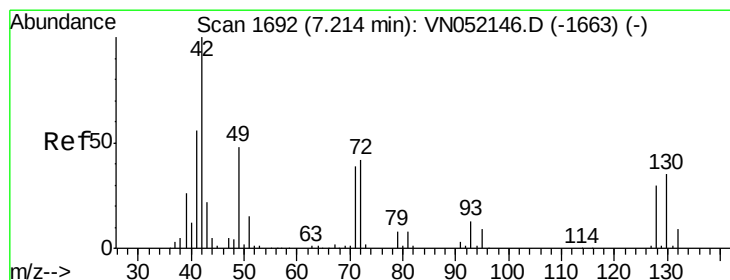
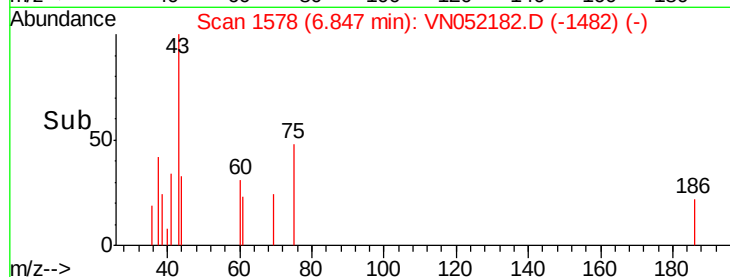
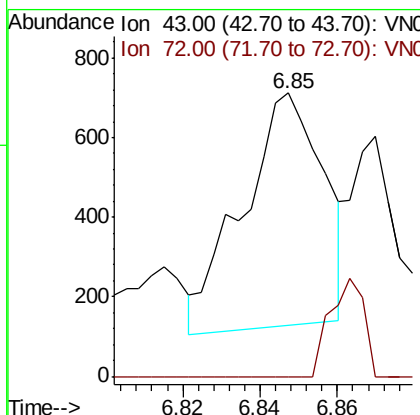
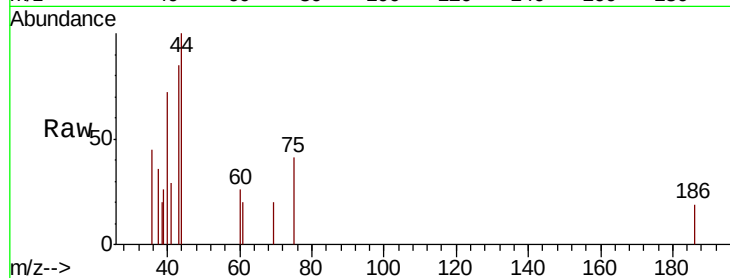




#25  
 2-Butanone  
 Concen: 0.650 ug/l  
 RT: 6.85 min Scan# 1578  
 Delta R.T. 0.01 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

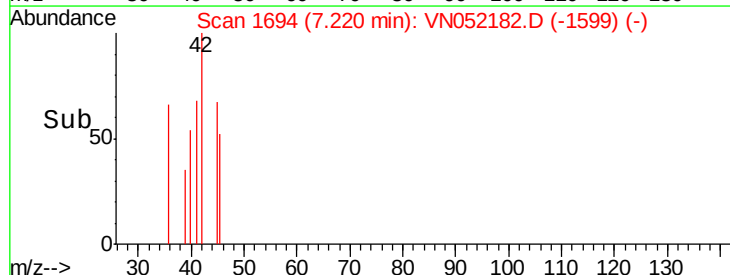
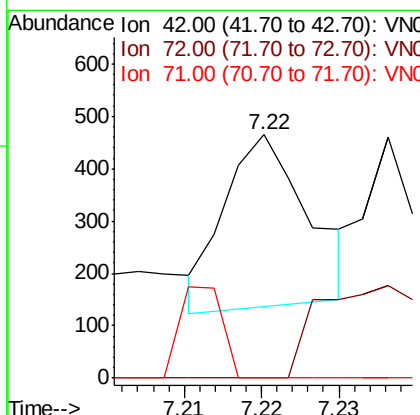
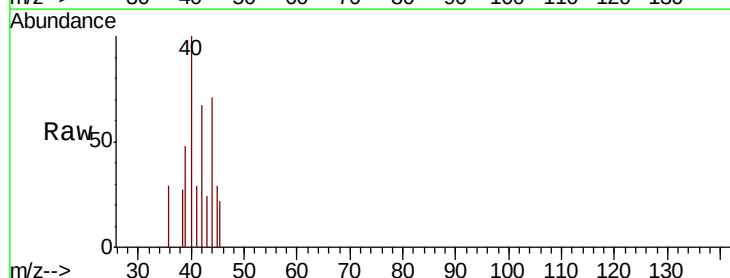
Instrument :  
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 COMP-SAMPLES(31-35)

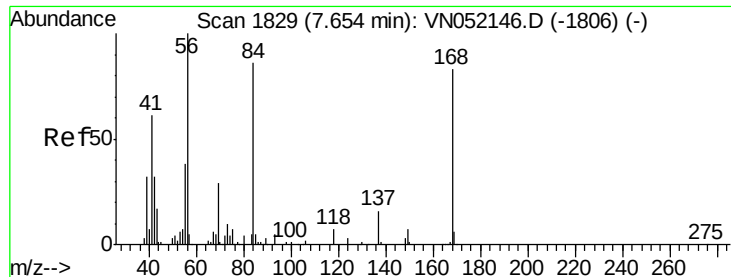
Tgt Ion: 43 Resp: 845  
 Ion Ratio Lower Upper  
 43 100  
 72 0.0 20.2 30.2#



#29  
 Tetrahydrofuran  
 Concen: 0.307 ug/l  
 RT: 7.22 min Scan# 1694  
 Delta R.T. 0.01 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

Tgt Ion: 42 Resp: 247  
 Ion Ratio Lower Upper  
 42 100  
 72 0.0 32.5 48.7#  
 71 27.1 30.6 46.0#

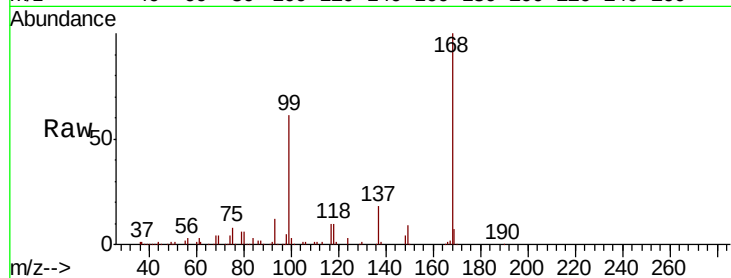




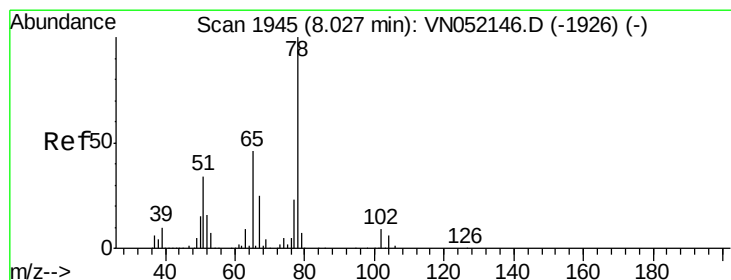
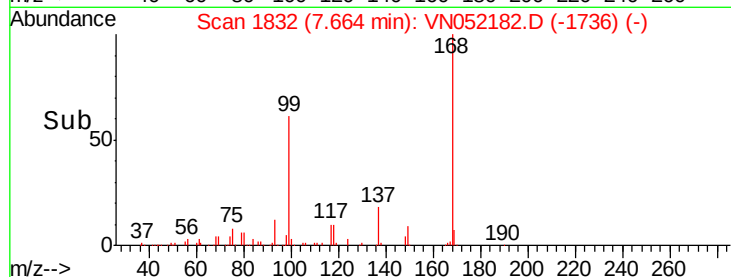
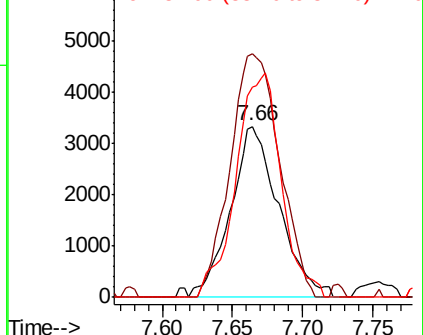
#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.66 min Scan# 1832  
Delta R.T. 0.01 min  
Lab File: VN052182.D  
Acq: 6 Nov 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-SAMPLES(31-35)

Tgt Ion: 56 Resp: 7948  
Ion Ratio Lower Upper  
56 100  
69 142.4 25.8 38.6#  
84 123.1 63.5 95.3#

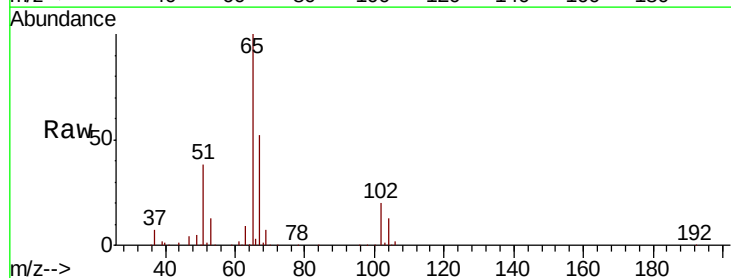


Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO

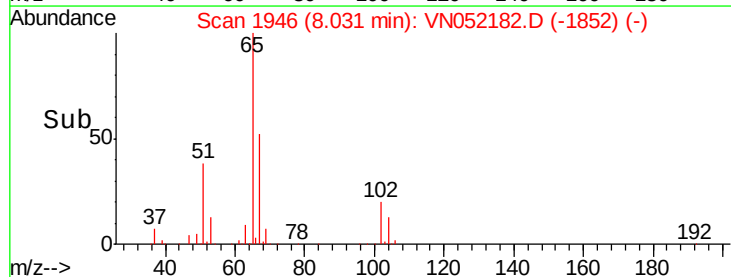
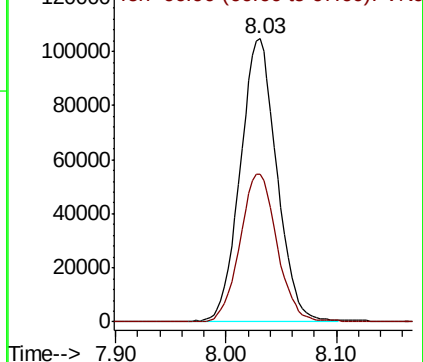


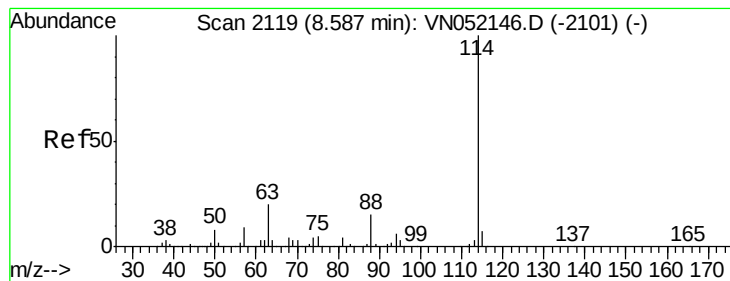
#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN052182.D  
Acq: 6 Nov 2018 10:48

Tgt Ion: 65 Resp: 240486  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VNO  
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLES(31-35)

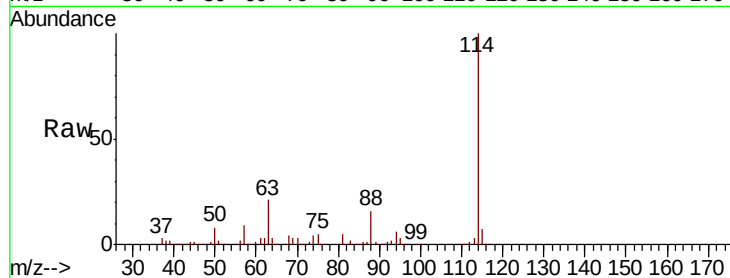
Tgt Ion:114 Resp: 564024

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.0

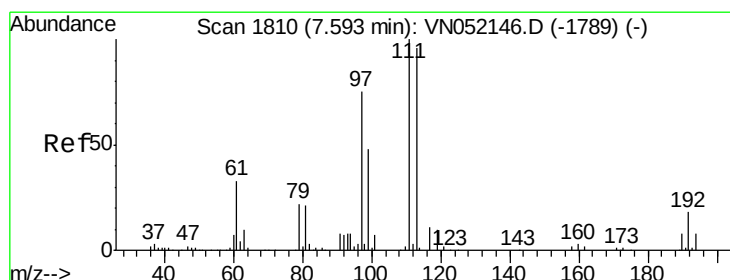
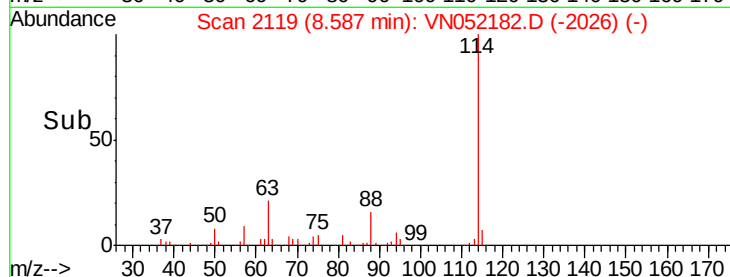
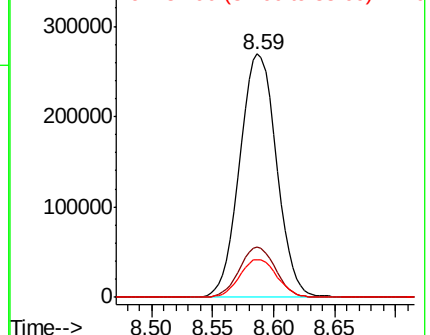
88 15.6 0.0 35.4



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

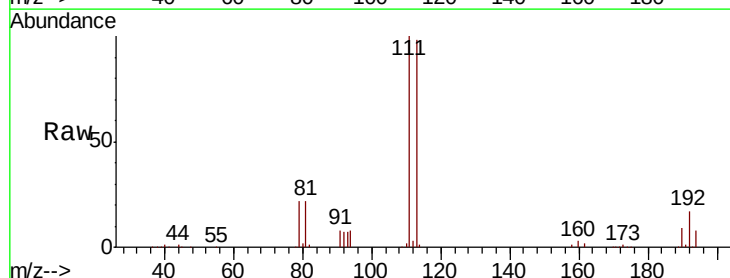
Tgt Ion:113 Resp: 213788

Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

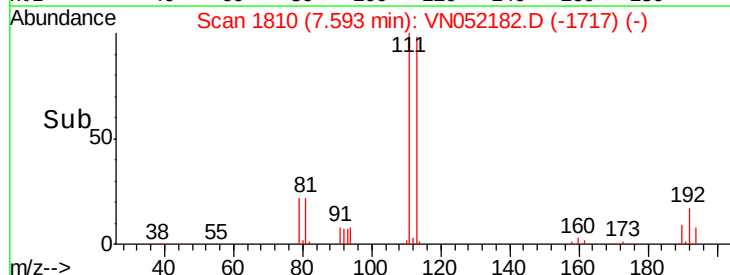
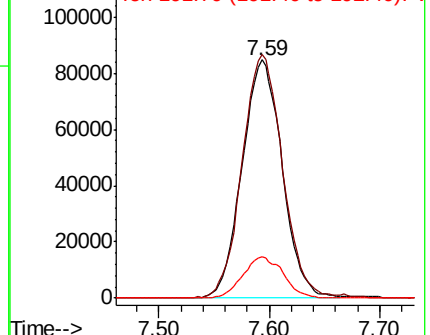
192 17.4 12.7 19.1



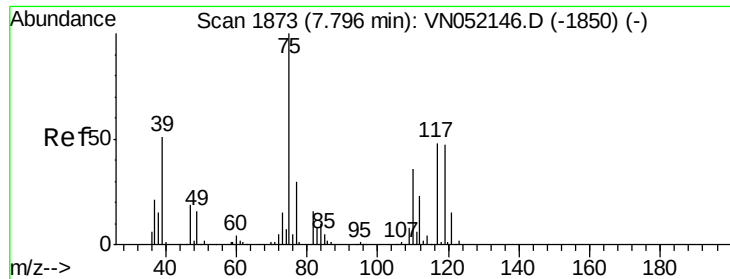
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



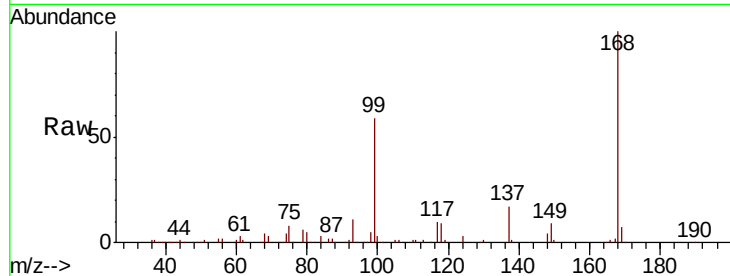




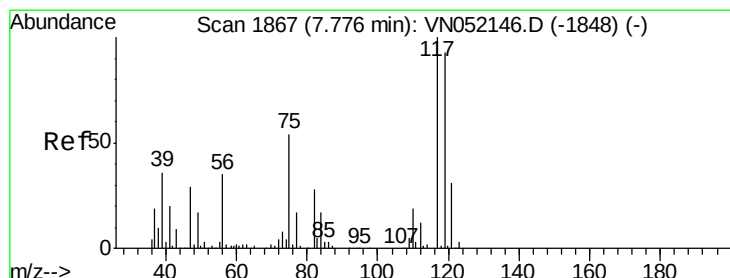
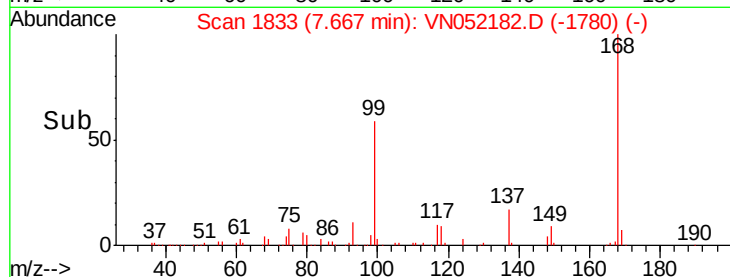
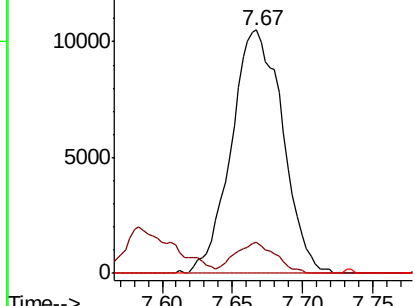
#36  
 1,1-Dichloropropene  
 Concen: 5.340 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-SAMPLES(31-35)

Tgt Ion: 75 Resp: 26642  
 Ion Ratio Lower Upper  
 75 100  
 110 10.3 16.0 48.0#  
 77 0.0 24.5 36.7#

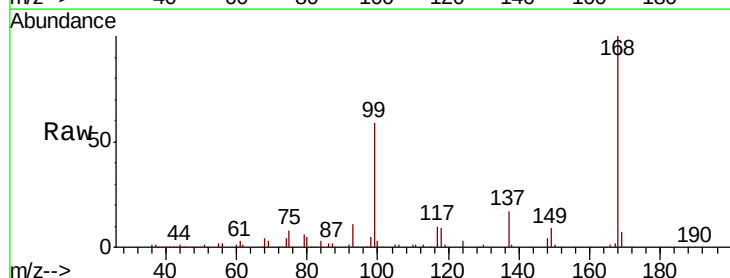


Abundance Ion 74.90 (74.60 to 75.60): VN052146.D (-1850) (-)  
 Ion 109.90 (109.60 to 110.60): VN052146.D (-1850) (-)  
 Ion 76.90 (76.60 to 77.60): VN052146.D (-1850) (-)

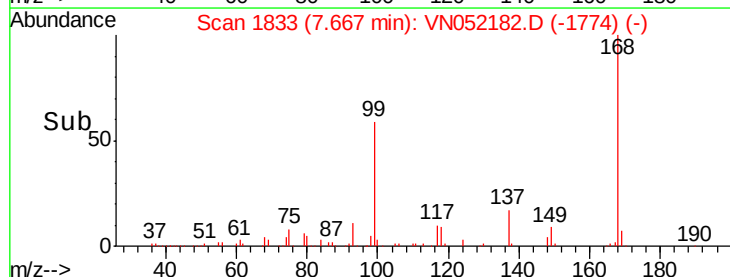
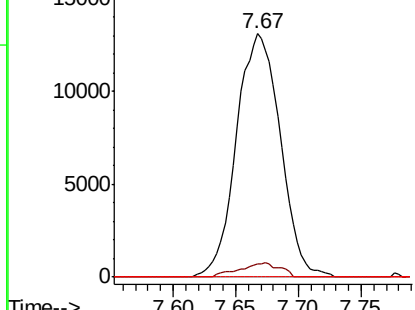


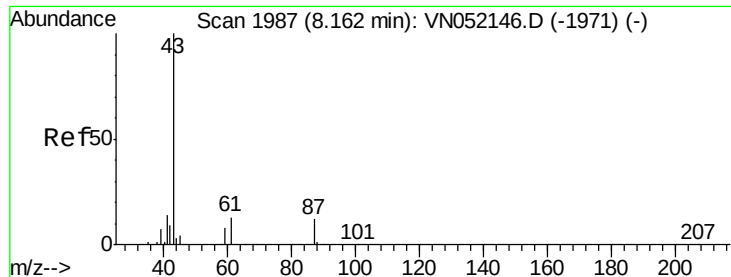
#38  
 Carbon Tetrachloride  
 Concen: 6.411 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.11 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

Tgt Ion: 117 Resp: 31957  
 Ion Ratio Lower Upper  
 117 100  
 119 5.2 74.8 112.2#  
 121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN052146.D (-1848) (-)  
 Ion 118.80 (118.50 to 119.50): VN052146.D (-1848) (-)  
 Ion 120.80 (120.50 to 121.50): VN052146.D (-1848) (-)





#43

Isopropyl Acetate

Concen: 24.403 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLES(31-35)

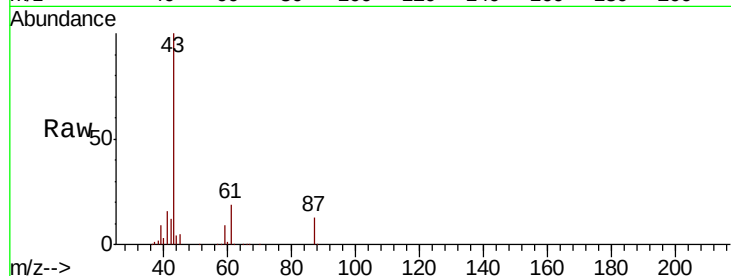
Tgt Ion: 43 Resp: 138931

Ion Ratio Lower Upper

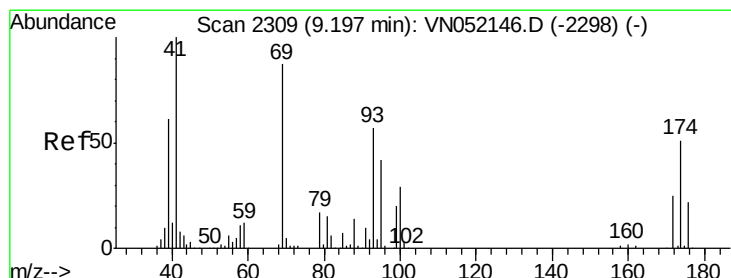
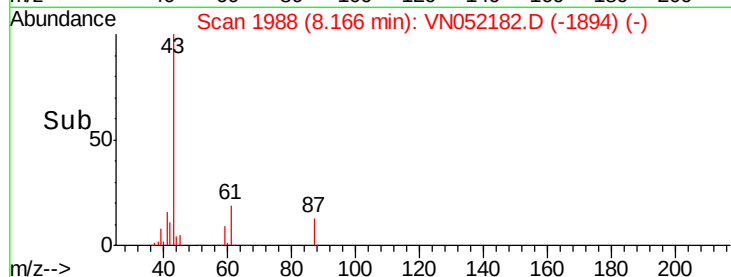
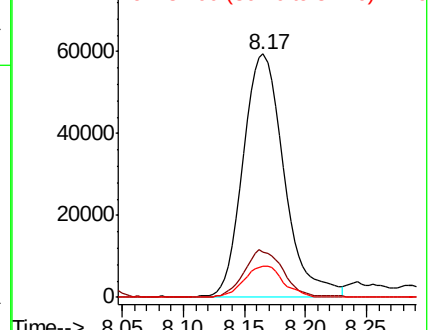
43 100

61 18.7 15.4 23.0

87 12.2 9.8 14.8



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



#48

Methyl methacrylate

Concen: 1.326 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

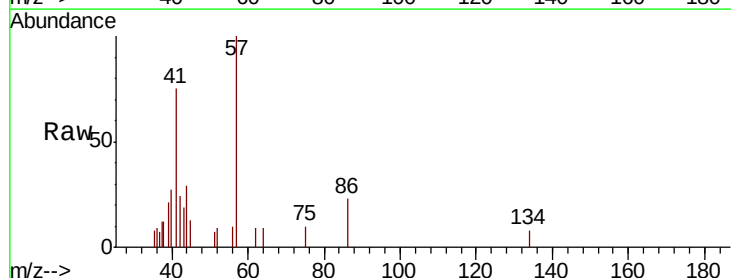
Tgt Ion: 41 Resp: 3634

Ion Ratio Lower Upper

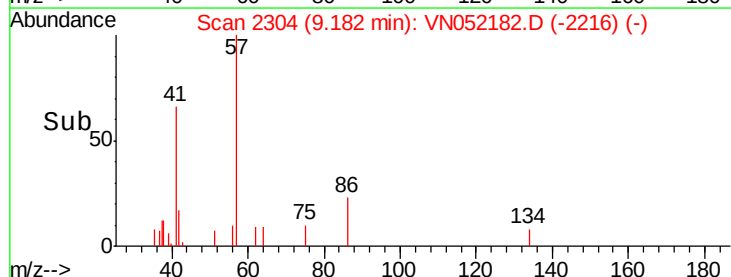
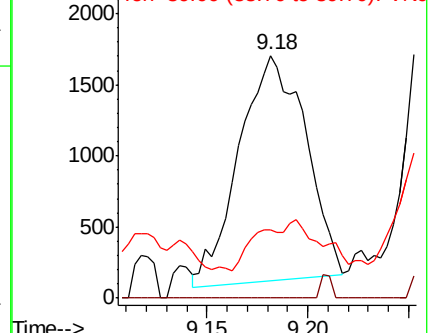
41 100

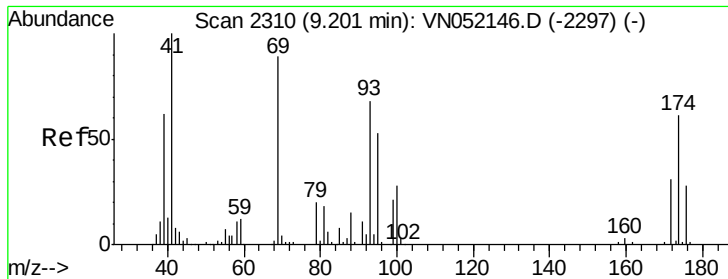
69 0.0 67.1 100.7#

39 8.3 50.5 75.7#



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: Below Cal

RT: 9.25 min Scan# 2326

Delta R.T. 0.05 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLES(31-35)

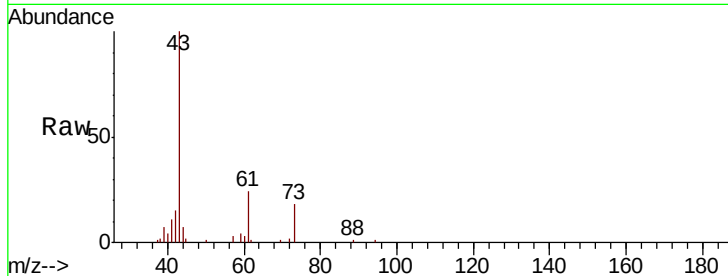
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 282576.7 34.1 51.1#

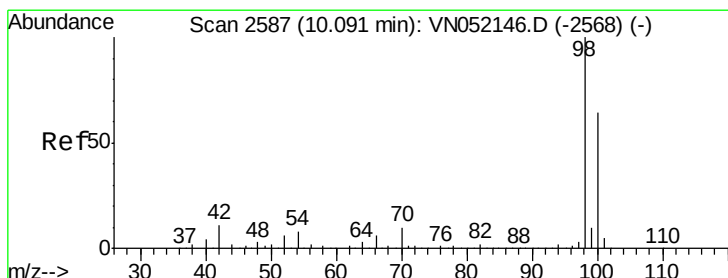
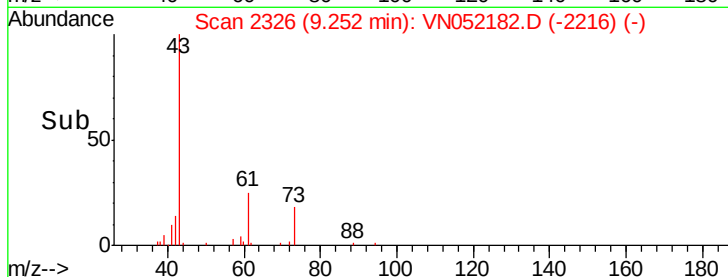
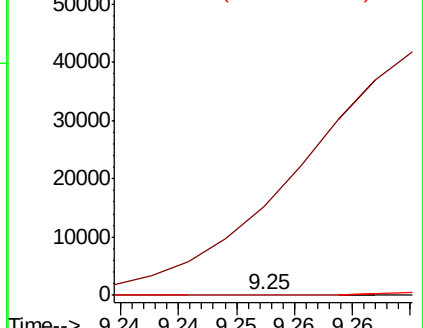
58 2543.3 62.8 94.2#



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: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052182.D

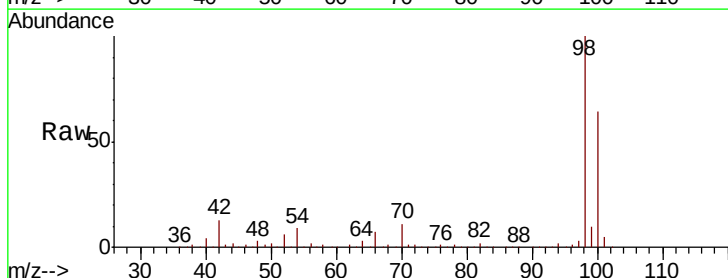
Acq: 6 Nov 2018 10:48

Tgt Ion: 98 Resp: 834559

Ion Ratio Lower Upper

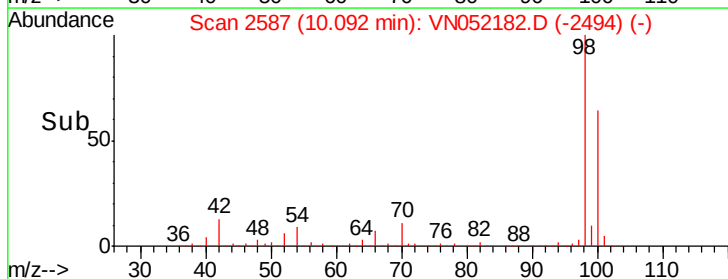
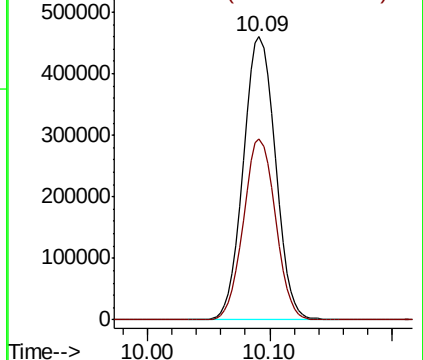
98 100

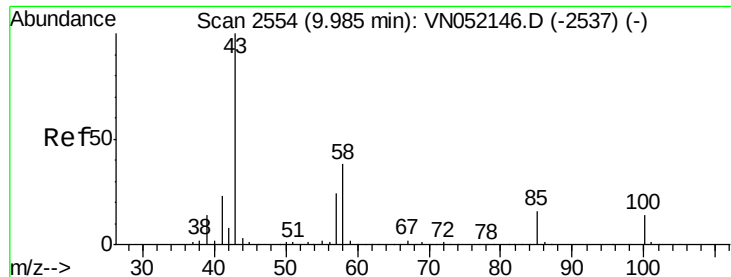
100 63.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

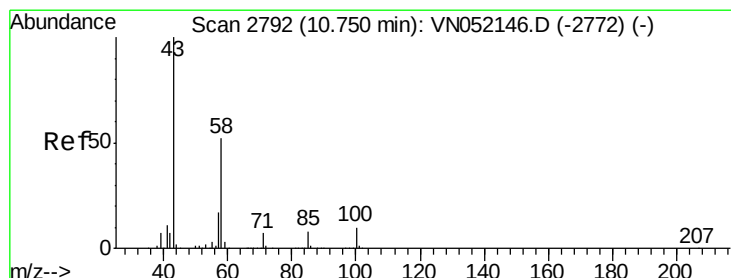
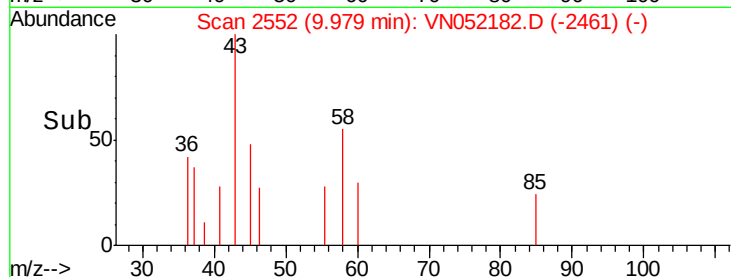
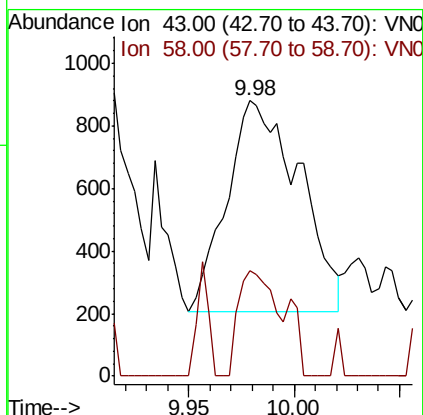
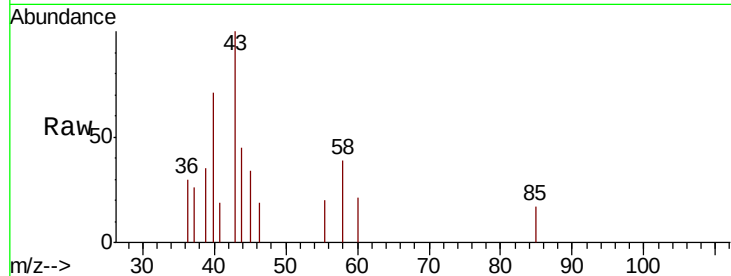




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.536 ug/l  
 RT: 9.98 min Scan# 2552  
 Delta R.T. -0.01 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

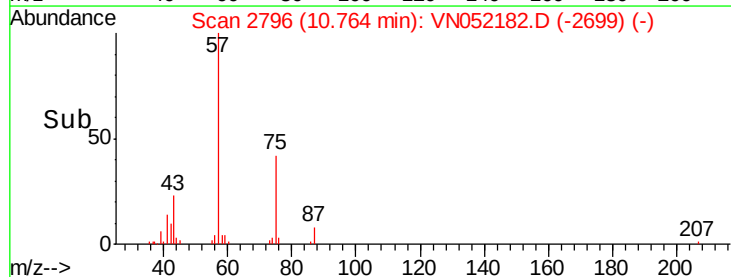
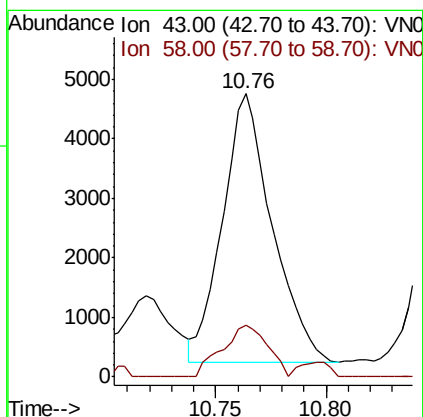
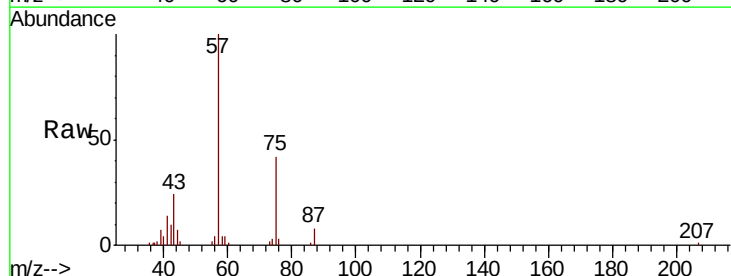
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-SAMPLES(31-35)

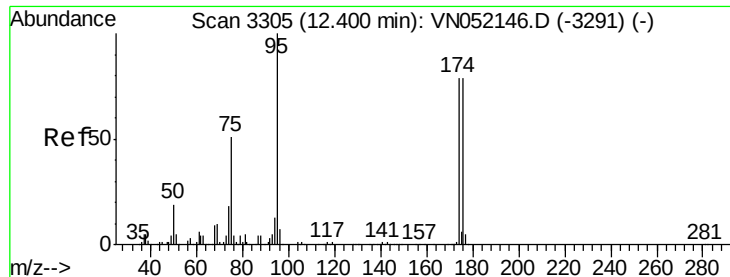
Tgt Ion: 43 Resp: 1613  
 Ion Ratio Lower Upper  
 43 100  
 58 30.8 29.7 44.5



#59  
 2-Hexanone  
 Concen: 3.360 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.01 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

Tgt Ion: 43 Resp: 7035  
 Ion Ratio Lower Upper  
 43 100  
 58 17.7 25.2 75.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLES(31-35)

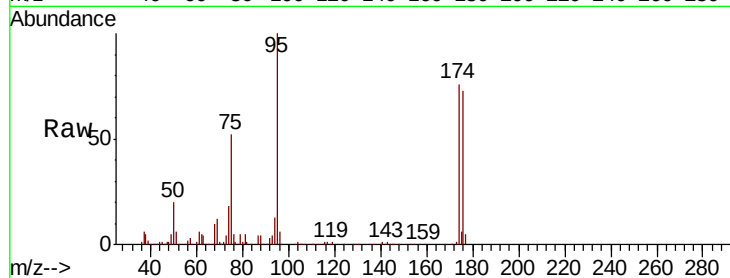
Tgt Ion: 95 Resp: 277654

Ion Ratio Lower Upper

95 100

174 76.8 0.0 131.8

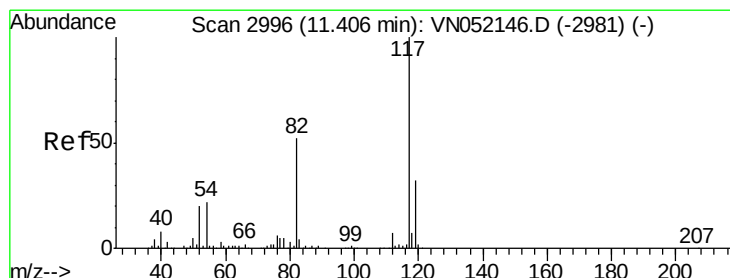
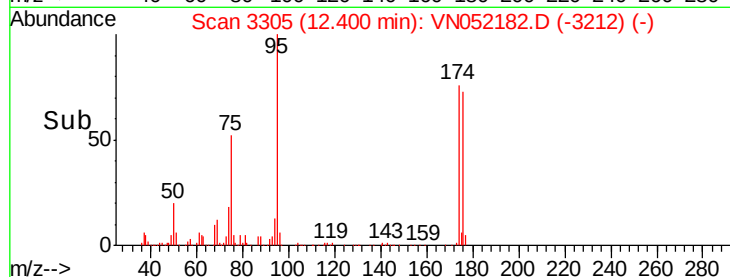
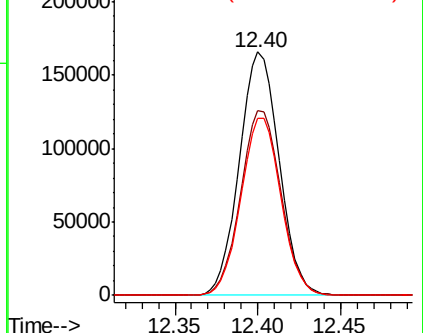
176 73.2 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VN052182.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN052182.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN052182.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

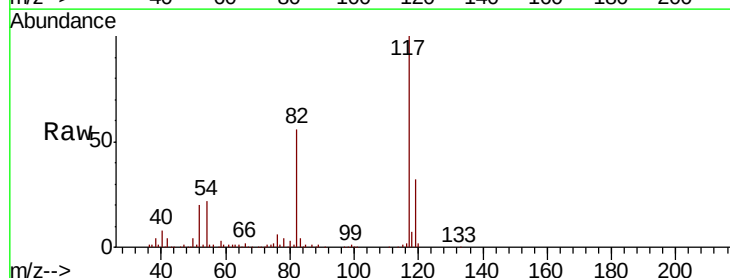
Tgt Ion: 117 Resp: 547064

Ion Ratio Lower Upper

117 100

82 56.1 49.9 74.9

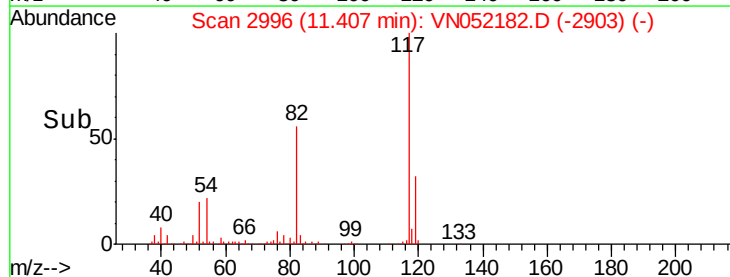
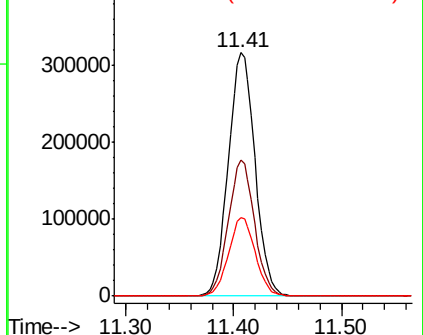
119 32.3 25.7 38.5

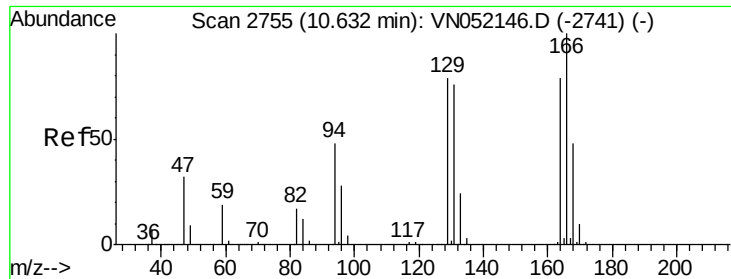


Abundance Ion 116.90 (116.60 to 117.60): VN052182.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052182.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052182.D (-2903) (-)

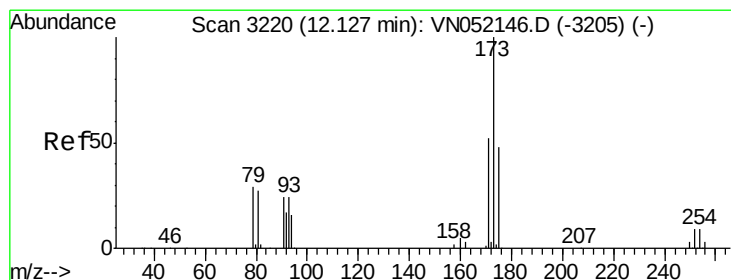
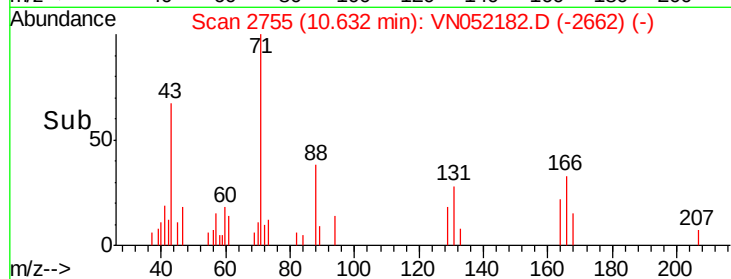
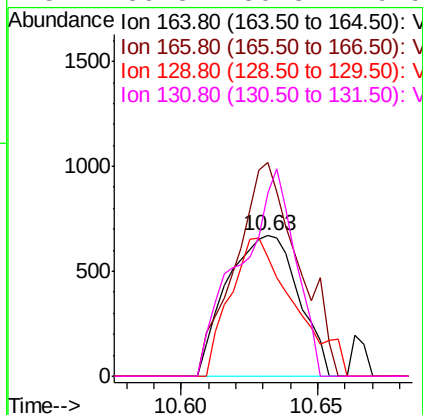
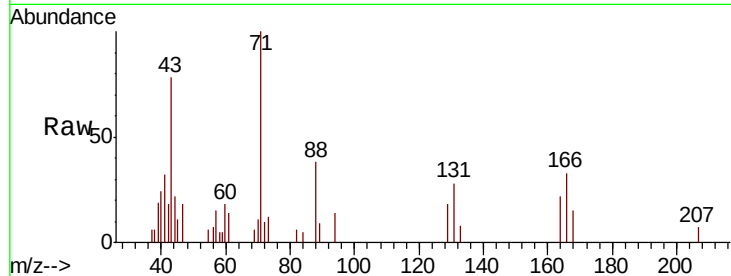




#64  
 Tetrachloroethene  
 Concen: 0.344 ug/l  
 RT: 10.63 min Scan# 2755  
 Delta R.T. 0.00 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

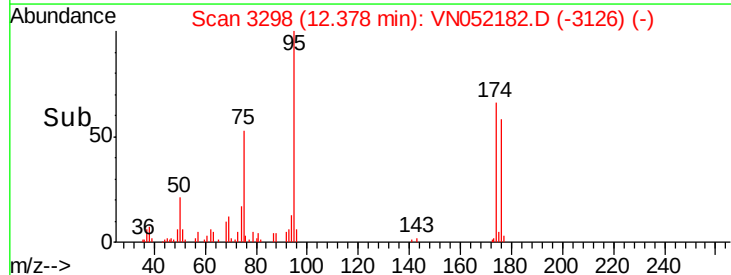
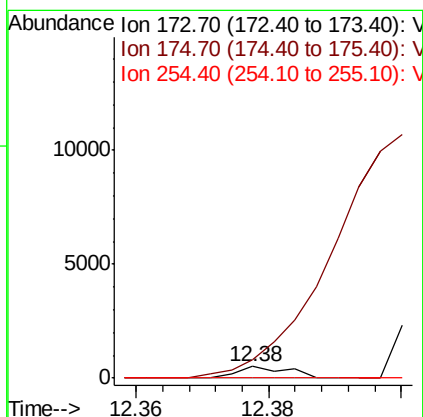
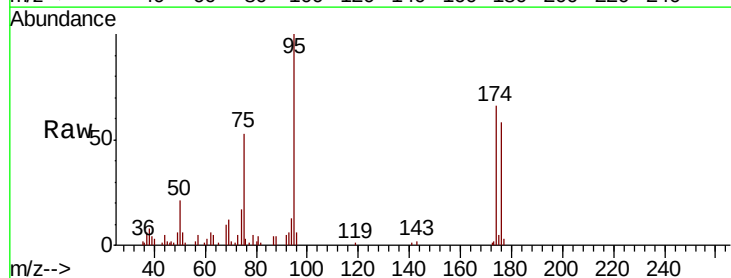
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-SAMPLES(31-35)

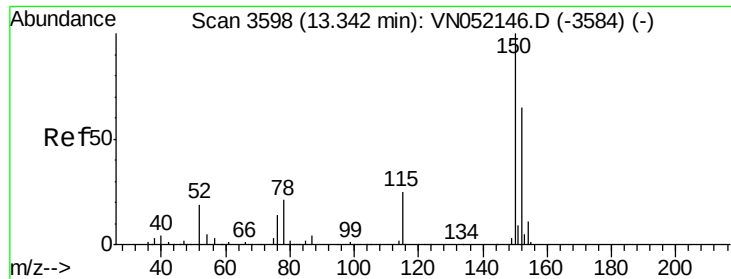
Tgt Ion:164 Resp: 1218  
 Ion Ratio Lower Upper  
 164 100  
 166 151.9 105.4 158.0  
 129 84.8 86.1 129.1#  
 131 130.3 80.3 120.5#



#71  
 Bromoform  
 Concen: 2.894 ug/l  
 RT: 12.38 min Scan# 3298  
 Delta R.T. 0.25 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

Tgt Ion:173 Resp: 262  
 Ion Ratio Lower Upper  
 173 100  
 175 0.0 23.9 71.7#  
 254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLES(31-35)

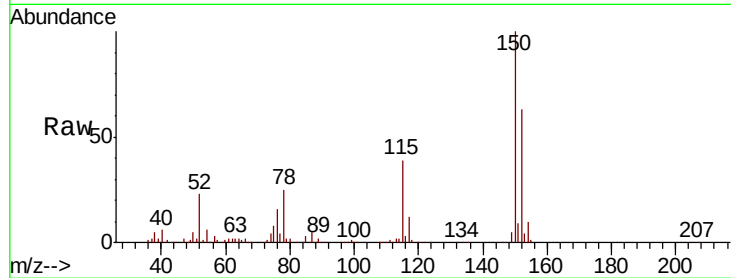
Tgt Ion:152 Resp: 221879

Ion Ratio Lower Upper

152 100

115 61.8 31.6 95.0

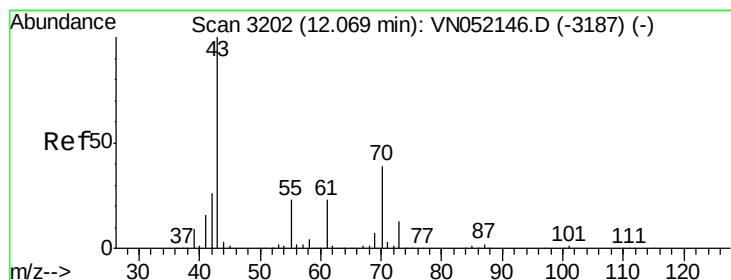
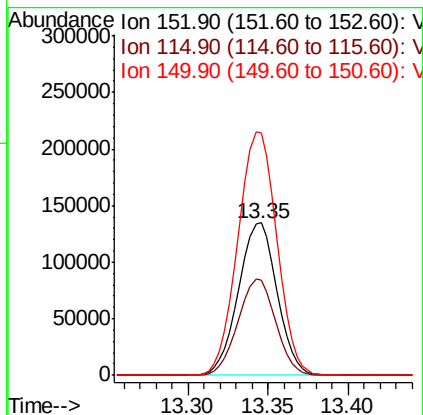
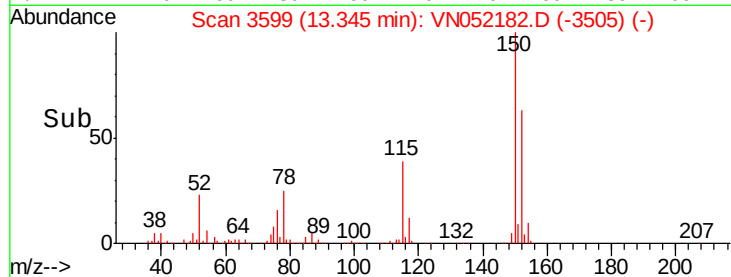
150 160.8 0.0 345.0



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-amyl acetate

Concen: Below Cal

RT: 12.09 min Scan# 3207

Delta R.T. 0.02 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Tgt Ion: 43 Resp: 118

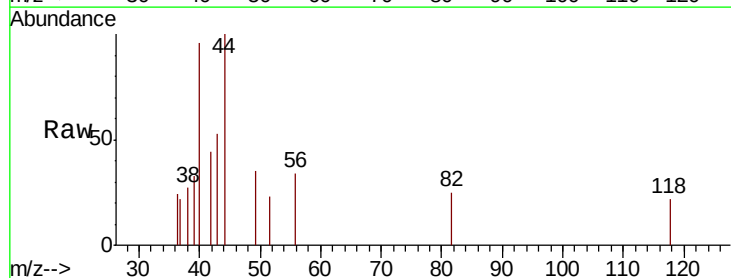
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 106.8 18.4 27.6#

61 0.0 18.2 27.4#

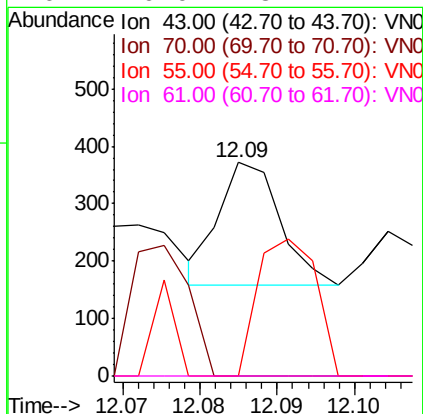
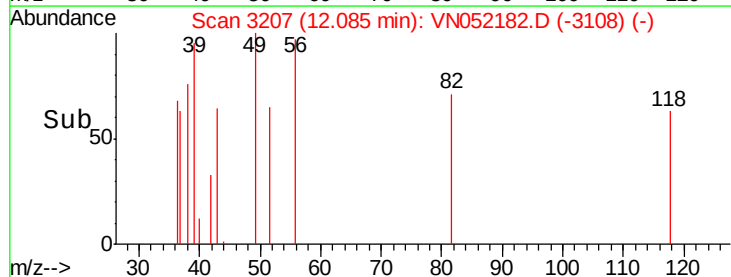


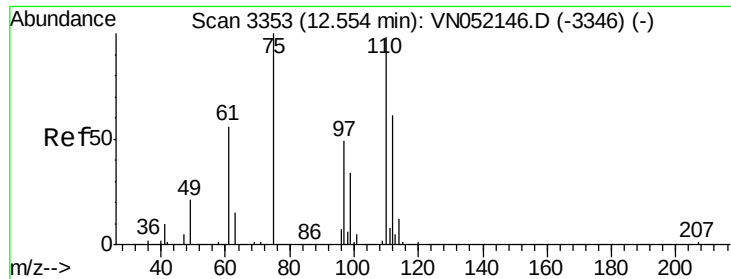
Abundance Ion 43.00 (42.70 to 43.70): V

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





#76

1,2,3-Trichloropropane

Concen: 48.641 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

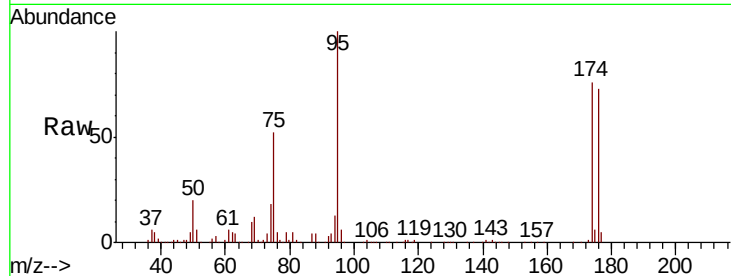
COMP-SAMPLES(31-35)

Tgt Ion: 75 Resp: 142648

Ion Ratio Lower Upper

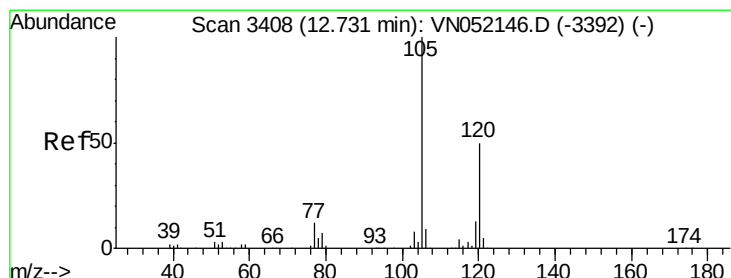
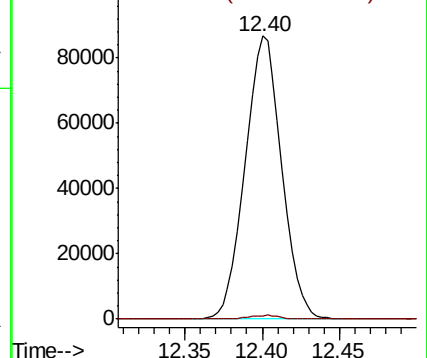
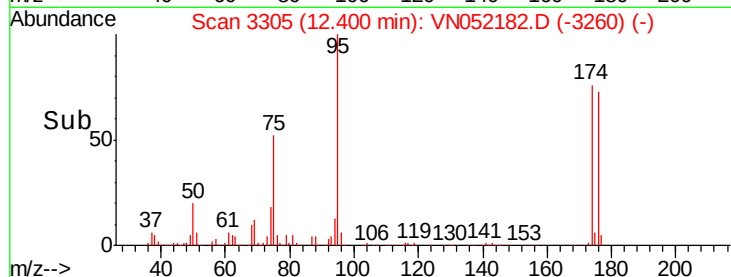
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052182.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052182.D (-3260) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.234 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052182.D

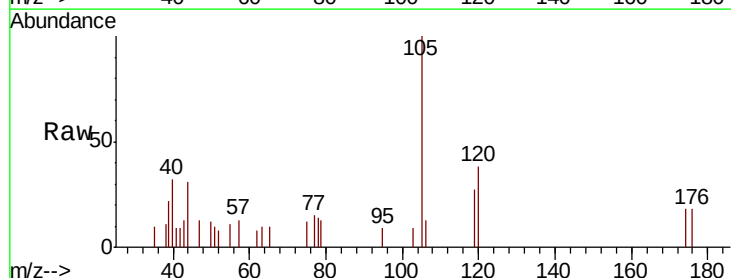
Acq: 6 Nov 2018 10:48

Tgt Ion: 105 Resp: 3183

Ion Ratio Lower Upper

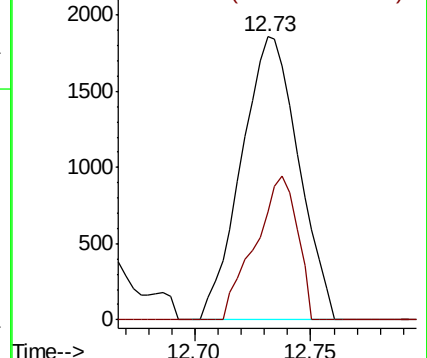
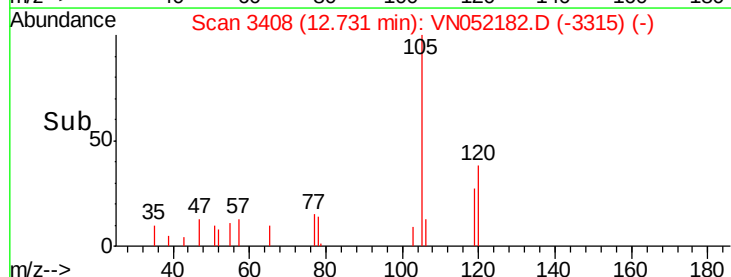
105 100

120 37.4 23.4 70.0

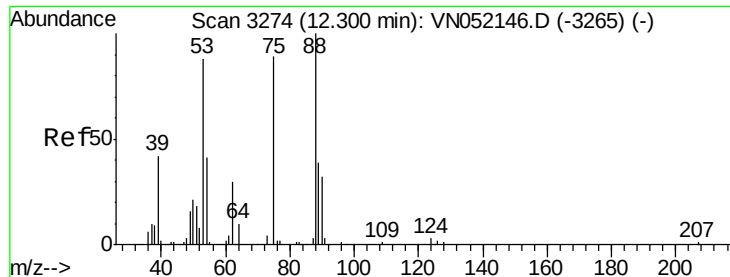


Abundance Ion 105.00 (104.70 to 105.70): VN052182.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN052182.D (-3315) (-)







#81

trans-1,4-Dichloro-2-butene

Concen: 146.279 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLES(31-35)

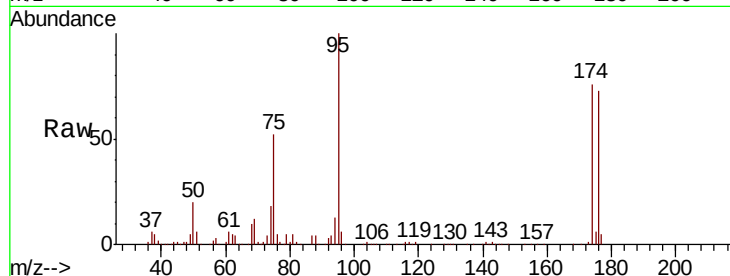
Tgt Ion: 75 Resp: 142648

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

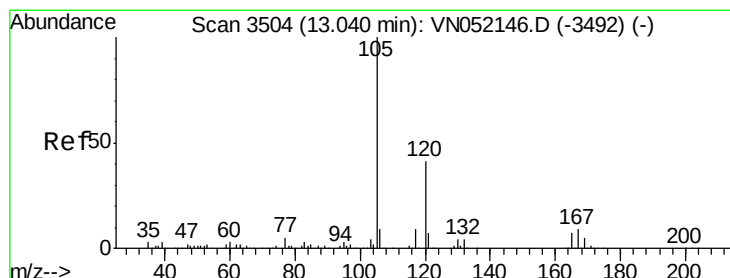
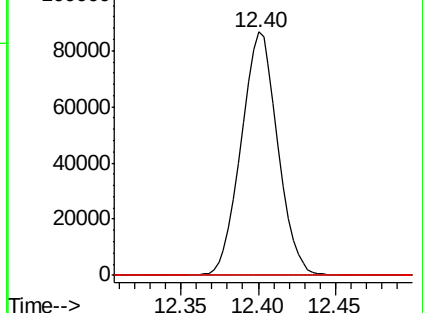
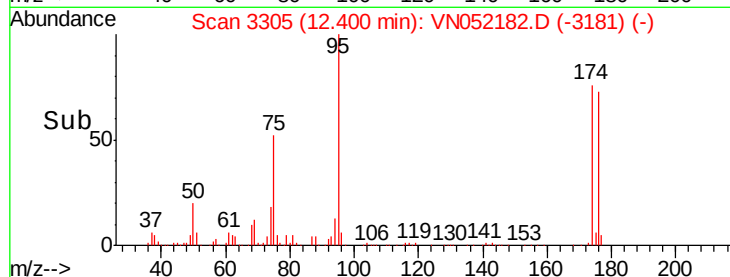
89 0.1 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VN052182.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052182.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052182.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.213 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN052182.D

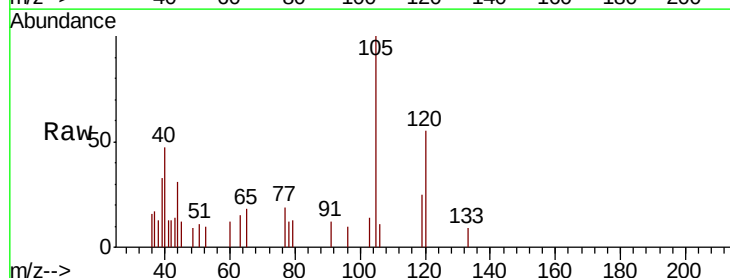
Acq: 6 Nov 2018 10:48

Tgt Ion: 105 Resp: 2879

Ion Ratio Lower Upper

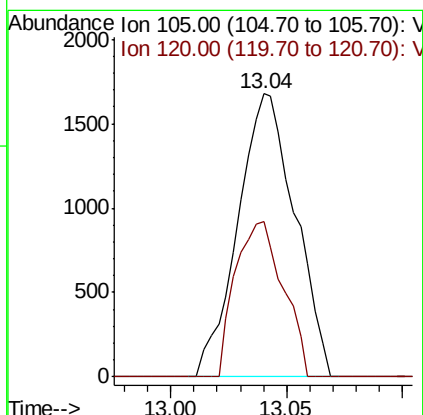
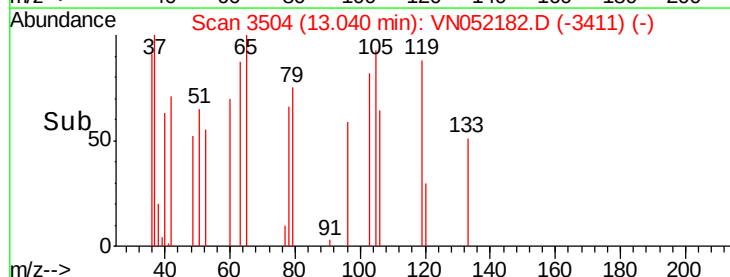
105 100

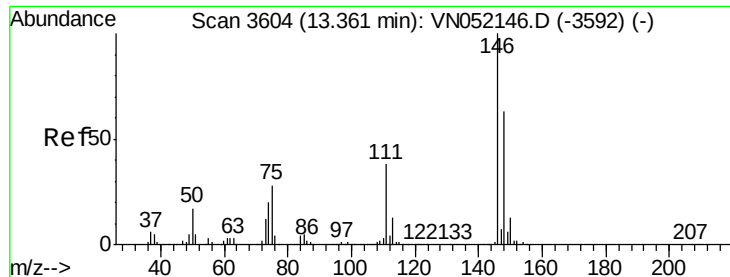
120 45.8 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): VN052182.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN052182.D (-3411) (-)

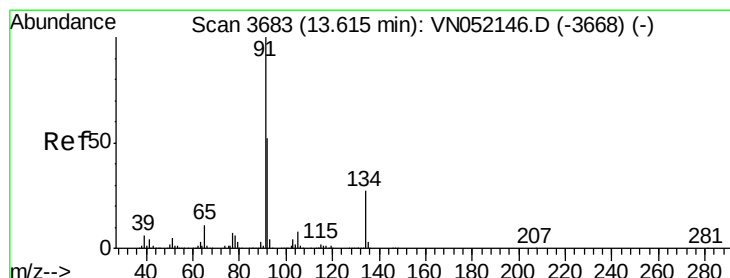
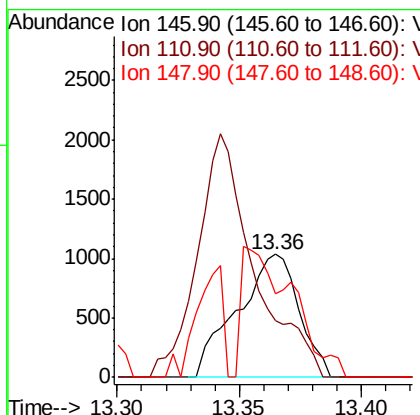
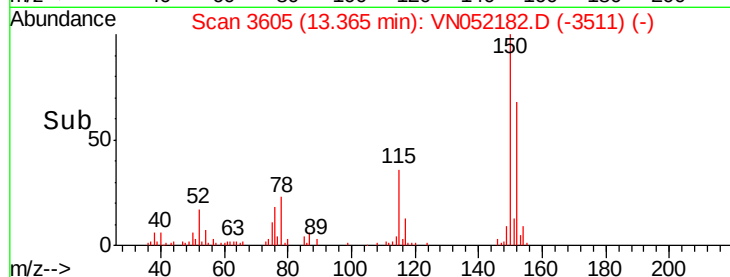
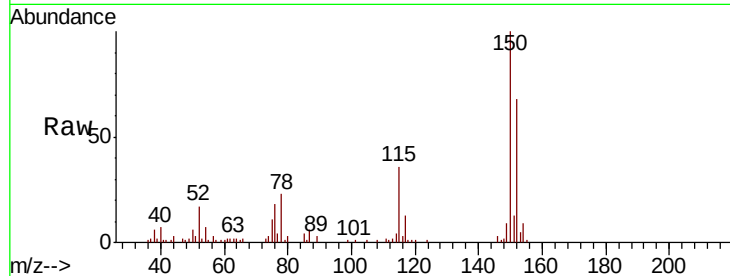




#88  
 1,4-Dichlorobenzene  
 Concen: 0.257 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

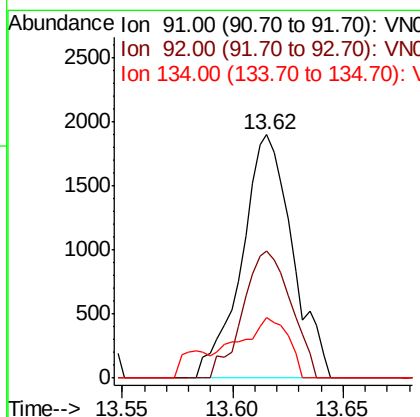
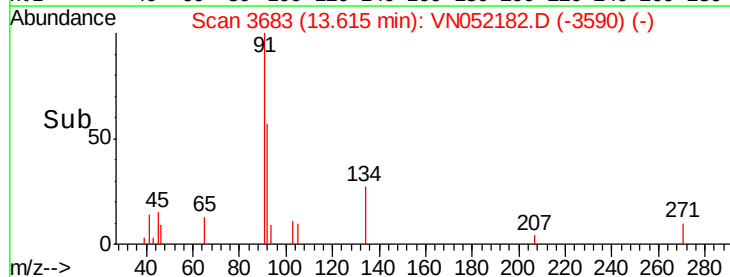
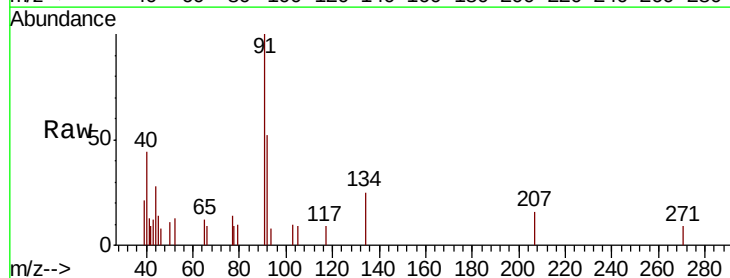
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-SAMPLES(31-35)

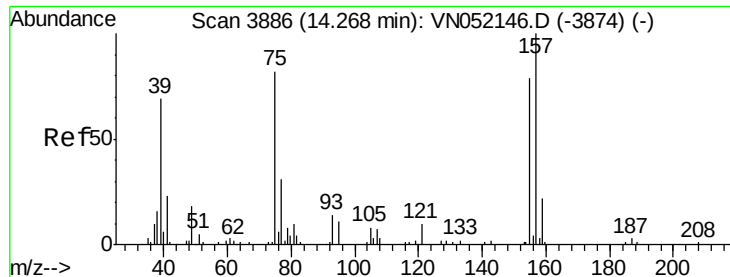
Tgt Ion: 146 Resp: 1819  
 Ion Ratio Lower Upper  
 146 100  
 111 0.0 21.9 65.8#  
 148 87.2 32.6 98.0



#89  
 n-Butylbenzene  
 Concen: 0.256 ug/l  
 RT: 13.62 min Scan# 3683  
 Delta R.T. 0.00 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

Tgt Ion: 91 Resp: 3023  
 Ion Ratio Lower Upper  
 91 100  
 92 49.3 25.3 75.8  
 134 24.7 11.2 33.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.245 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

COMP-SAMPLES(31-35)

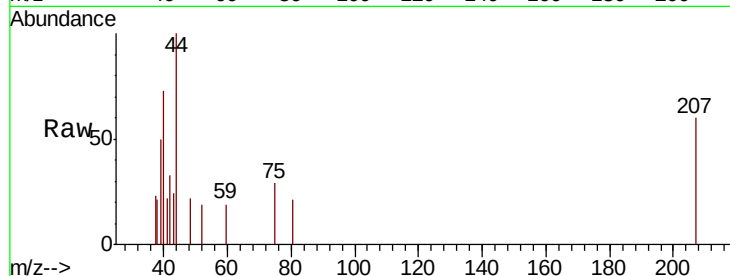
Tgt Ion: 75 Resp: 119

Ion Ratio Lower Upper

75 100

155 29.4 34.0 102.0#

157 0.0 42.1 126.4#



Abundance Ion 74.90 (74.60 to 75.60): VN052182.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN052182.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN052182.D (-3793) (-)

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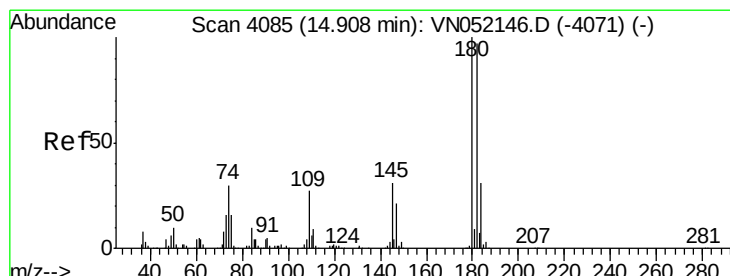
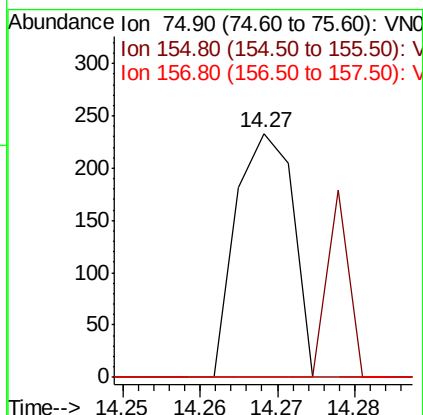
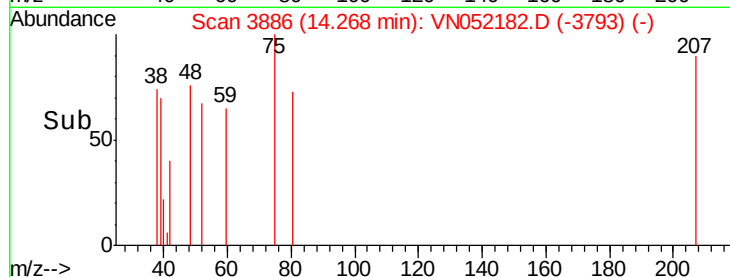
14.27

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#93

1,2,4-Trichlorobenzene

Concen: 2.890 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

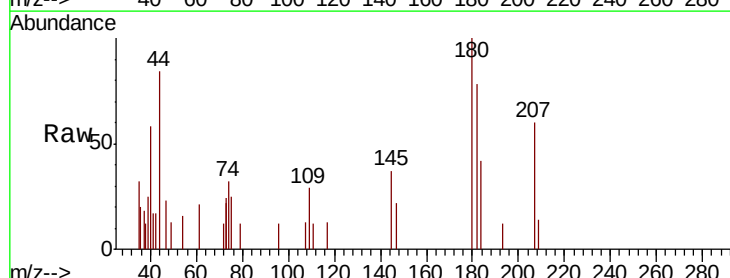
Tgt Ion: 180 Resp: 2143

Ion Ratio Lower Upper

180 100

182 91.8 49.1 147.4

145 47.7 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): VN052182.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN052182.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN052182.D (-3991) (-)

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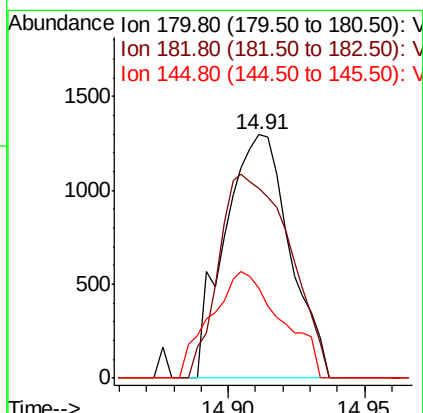
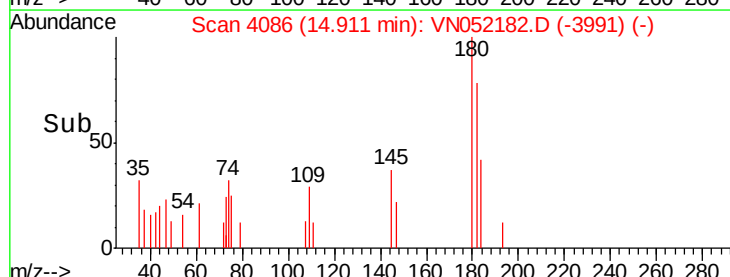
14.91

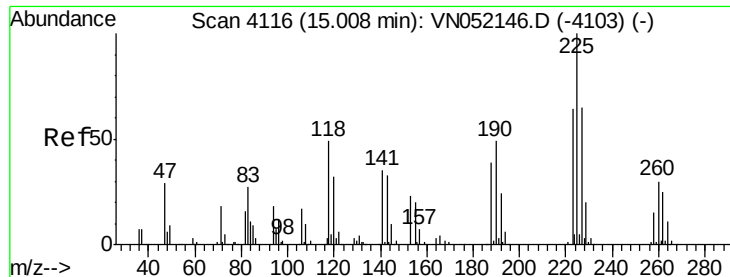
14.91

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14.91





#94

Hexachlorobutadiene

Concen: 0.339 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN052182.D

Acq: 6 Nov 2018 10:48

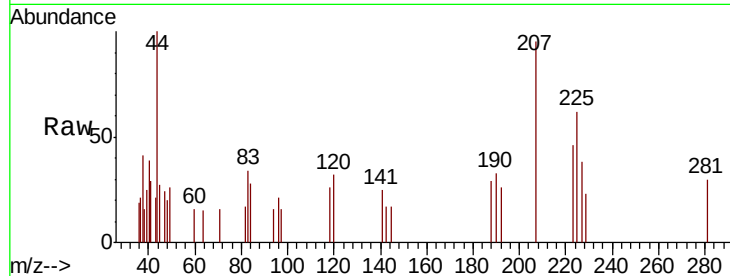
Instrument :

MSVOA\_N

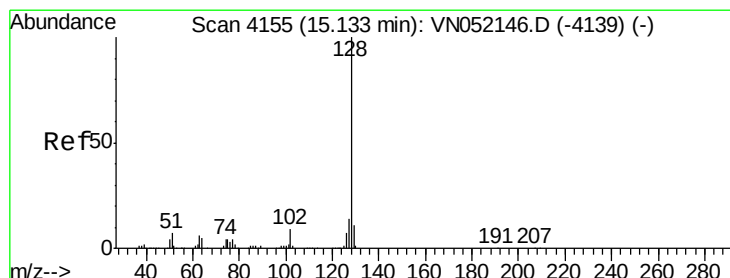
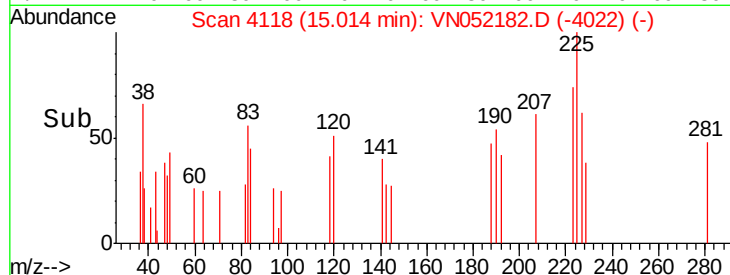
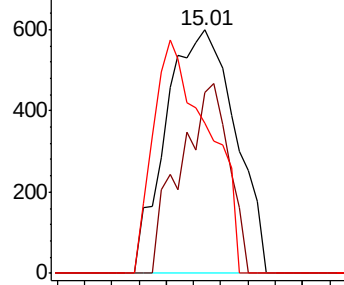
ClientSampleId :

COMP-SAMPLES(31-35)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 1058  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 54.6  | 33.1  | 99.3  |
| 227      | 76.7  | 32.6  | 97.8  |



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: 1.534 ug/l

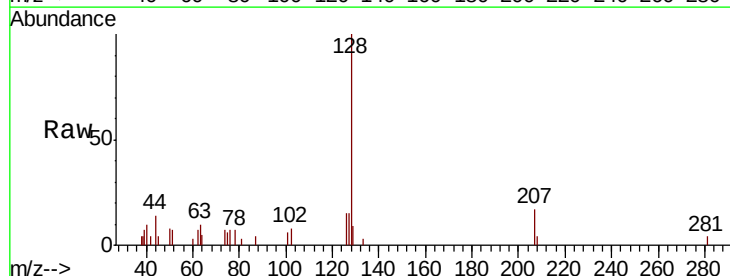
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

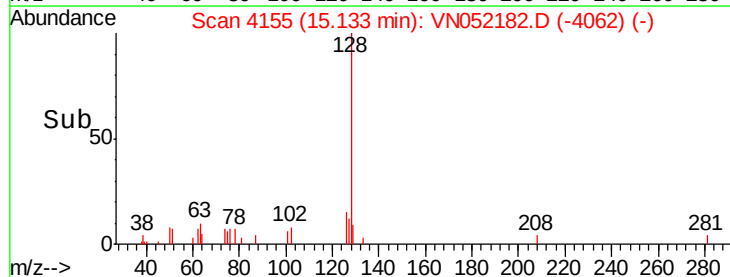
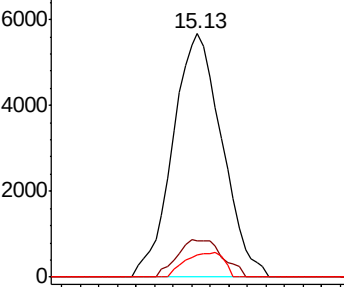
Lab File: VN052182.D

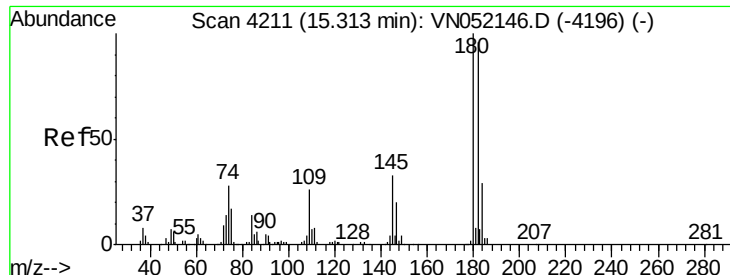
Acq: 6 Nov 2018 10:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 10422 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.1  | 10.5  | 15.7  |
| 129      | 7.9   | 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: 2.544 ug/l  
 RT: 15.32 min Scan# 4212  
 Delta R.T. 0.00 min  
 Lab File: VN052182.D  
 Acq: 6 Nov 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-SAMPLES(31-35)

Tgt Ion:180 Resp: 2271  
 Ion Ratio Lower Upper  
 180 100  
 182 111.5 47.2 141.6  
 145 37.4 16.6 49.7

