

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\  
 Data File : VN049586.D  
 Acq On : 28 Jun 2018 13:41  
 Operator : MD\SY  
 Sample : PB110627ZHE#09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 29 01:37:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1170416  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1892973  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1591538  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 640767   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 791334   | 50.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.96% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 636012   | 41.53 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 83.06%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2546718  | 43.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.34%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 771109   | 39.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 79.98%  |          |

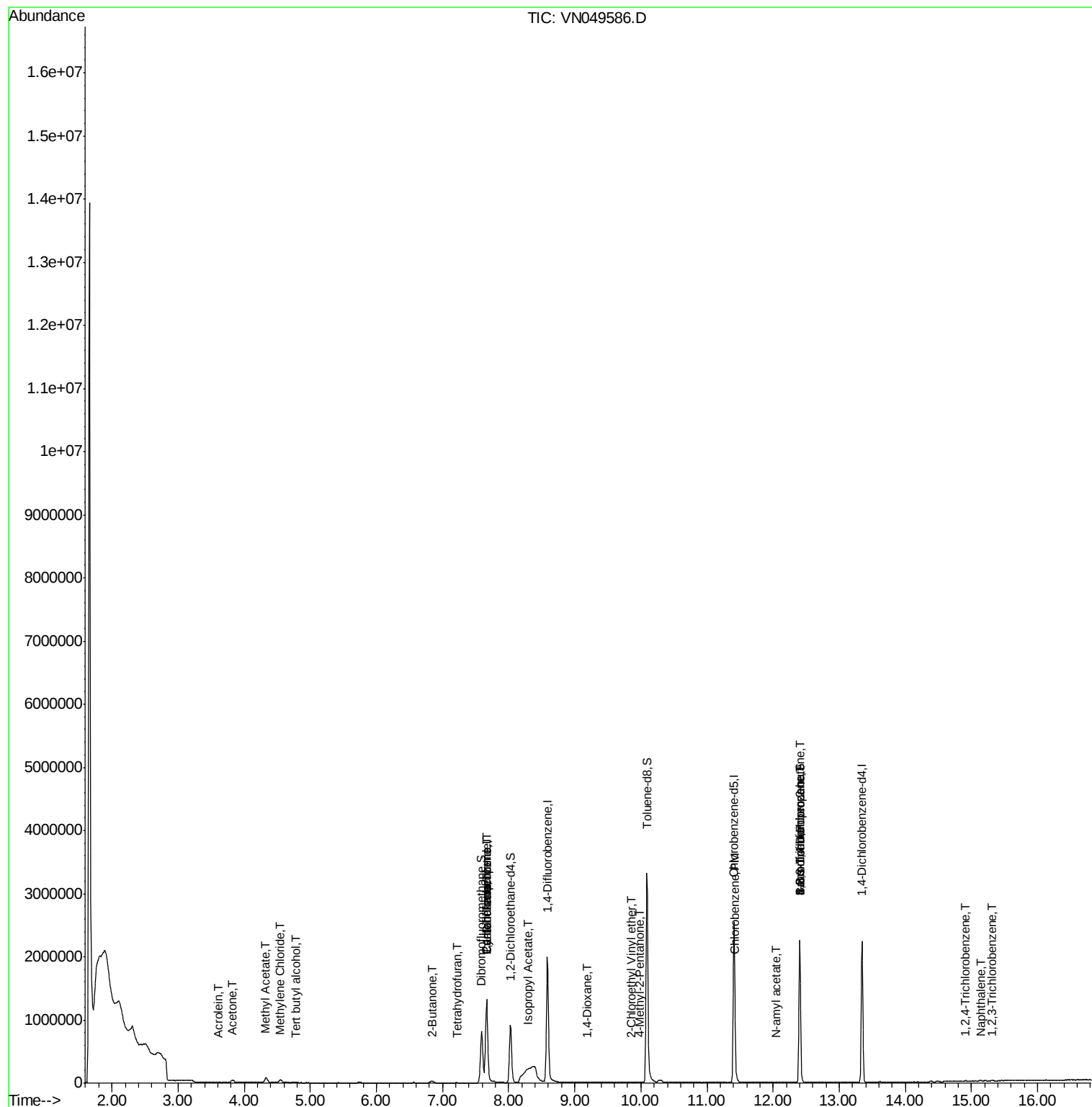
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.79  | 59   | 299      | 0.33   | ug/l # | 70     |
| 13) Acrolein                   | 3.60  | 56   | 1102     | 1.15   | ug/l # | 1      |
| 16) Acetone                    | 3.82  | 43   | 83321    | 22.11  | ug/l   | 93     |
| 18) Methyl Acetate             | 4.33  | 43   | 155919   | 13.57  | ug/l   | 94     |
| 20) Methylene Chloride         | 4.55  | 84   | 33982    | 2.16   | ug/l   | 87     |
| 25) 2-Butanone                 | 6.85  | 43   | 11120    | 2.20   | ug/l   | 100    |
| 29) Tetrahydrofuran            | 7.21  | 42   | 1695     | 0.52   | ug/l   | 97     |
| 31) Cyclohexane                | 7.66  | 56   | 21870    | 0.78   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 83057    | 3.83   | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 105121   | 4.68   | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.28  | 43   | 394563   | 17.51  | ug/l # | 64     |
| 49) 1,4-Dioxane                | 9.18  | 88   | 243      | 1.66   | ug/l # | 19     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 6898     | 0.58   | ug/l   | 90     |
| 58) 2-Chloroethyl Vinyl ether  | 9.86  | 63   | 67       | 14.34  | ug/l # | 51     |
| 65) Chlorobenzene              | 11.43 | 112  | 12819    | 0.31   | ug/l   | 91     |
| 71) Bromoform                  | 12.40 | 173  | 5655     | 0.57   | ug/l # | 1      |
| 74) N-amyl acetate             | 12.04 | 43   | 3921     | 0.28   | ug/l # | 51     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 133      | Below  | Cal #  | 26     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 377360   | 34.52  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 377360   | 109.09 | ug/l # | 9      |
| 90) Hexachloroethane           | 13.88 | 117  | 70       | Below  | Cal #  | 9      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 2008     | 4.91   | ug/l   | 60     |
| 94) Hexachlorobutadiene        | 15.02 | 225  | 979      | Below  | Cal    | 79     |
| 95) Naphthalene                | 15.13 | 128  | 4855     | 2.35   | ug/l   | 96     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 1882     | 3.62   | ug/l   | 96     |

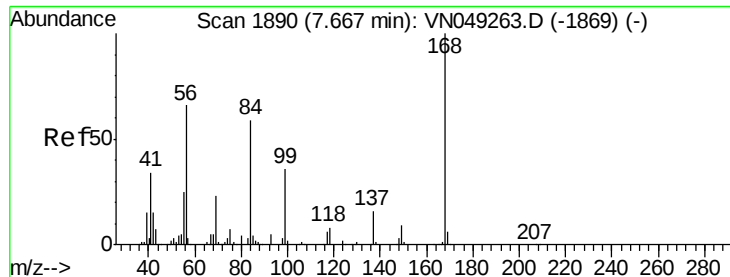
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 29 01:37:11 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

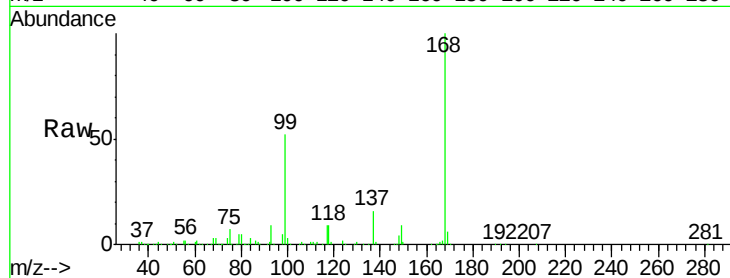
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 1170416

Ion Ratio Lower Upper

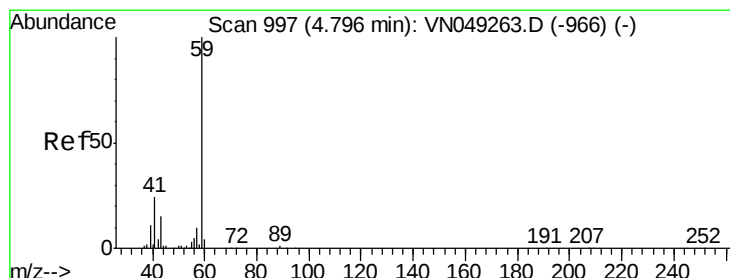
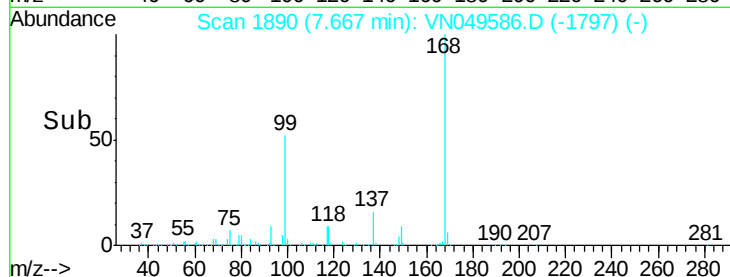
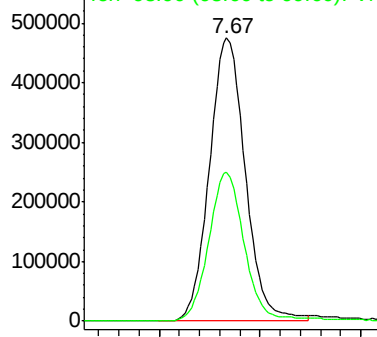
168 100

99 52.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.33 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN049586.D

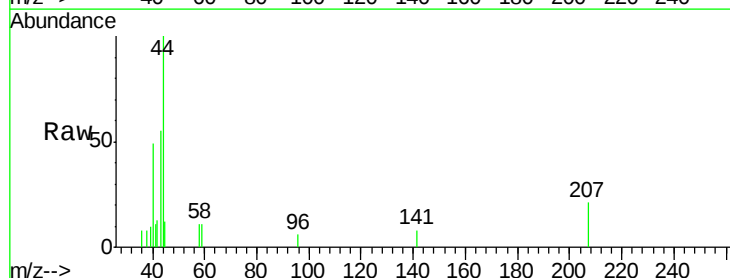
Acq: 28 Jun 2018 13:41

Tgt Ion: 59 Resp: 299

Ion Ratio Lower Upper

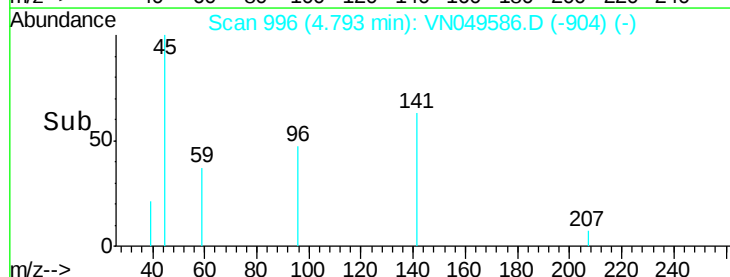
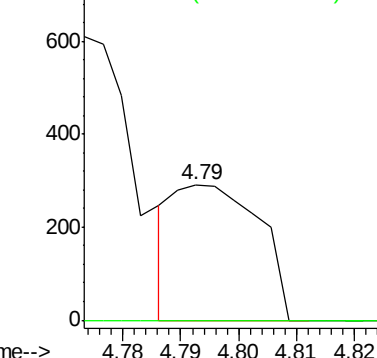
59 100

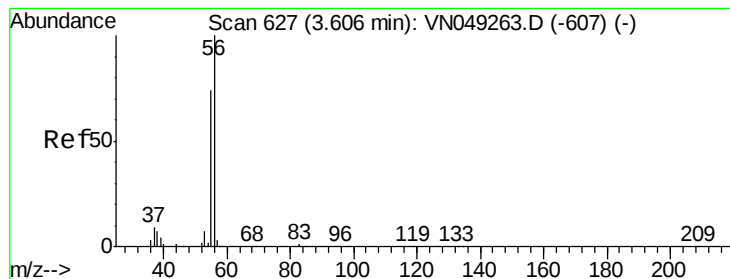
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 1.15 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA\_N

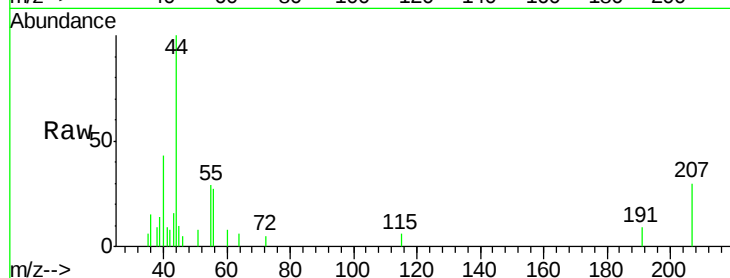
ClientSampled :

Tot Ion: 56 Resp: 1102

Ion Ratio Lower Upper

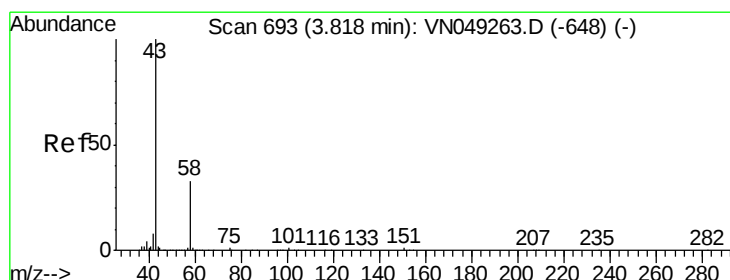
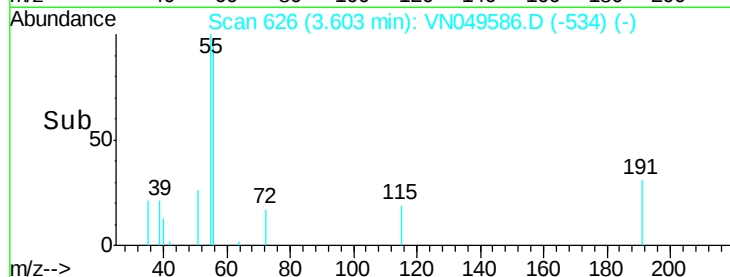
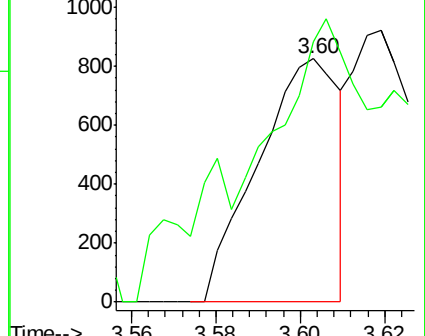
56 100

55 190.2 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 22.11 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049586.D

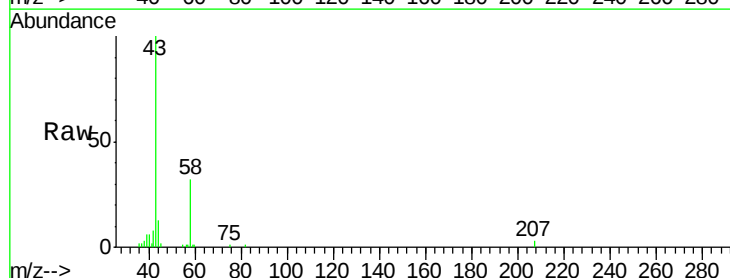
Acq: 28 Jun 2018 13:41

Tgt Ion: 43 Resp: 83321

Ion Ratio Lower Upper

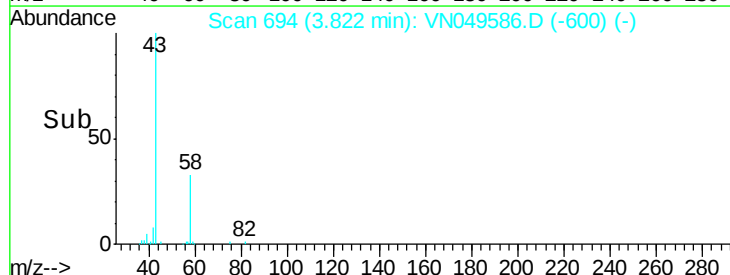
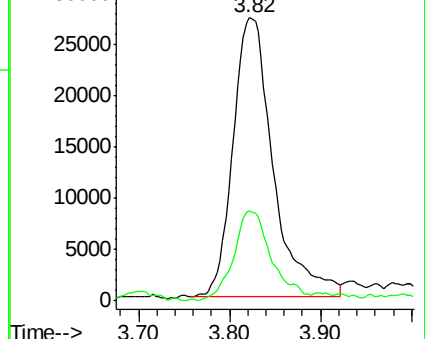
43 100

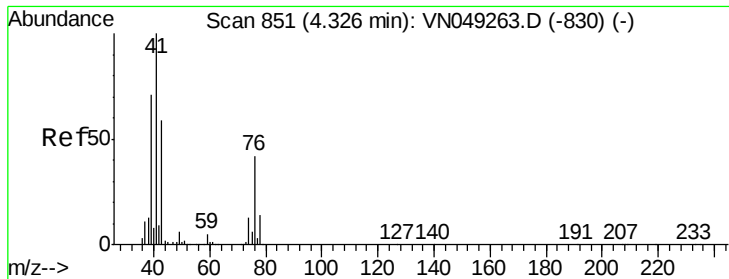
58 31.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

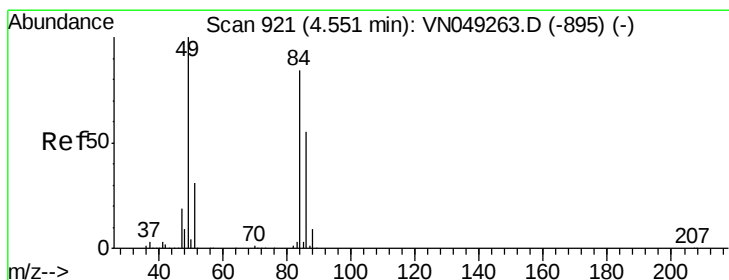
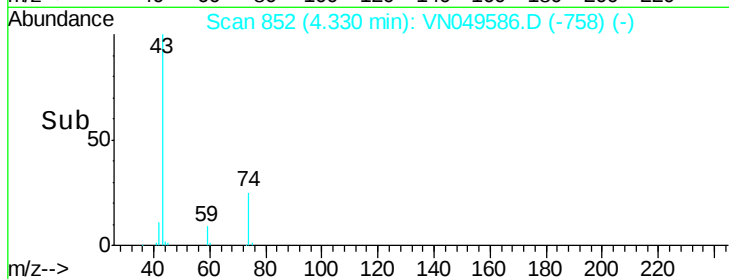
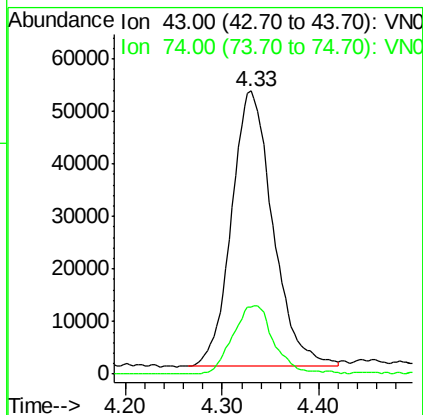
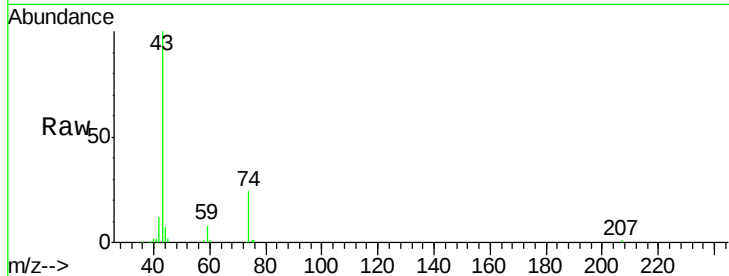




#18  
Methvl Acetate  
Concen: 13.57 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

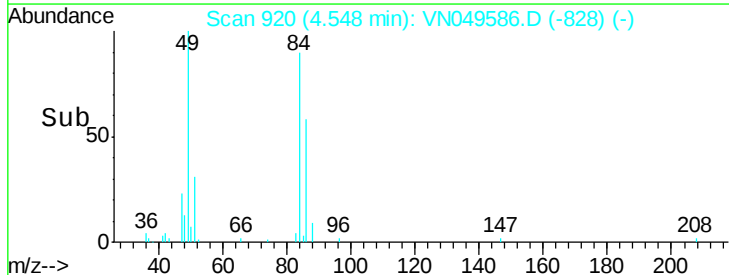
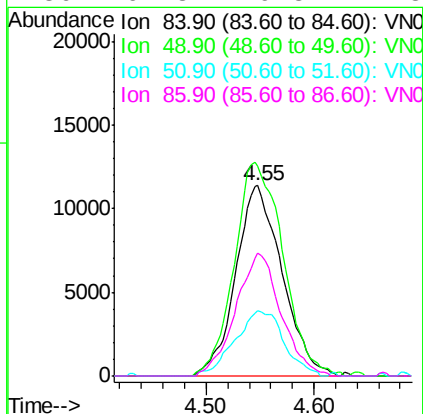
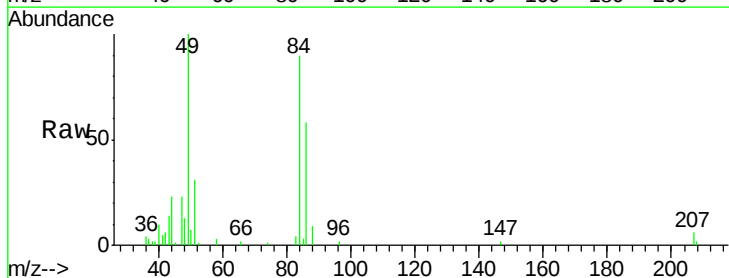
Instrument :  
MSVOA\_N  
ClientSampled :

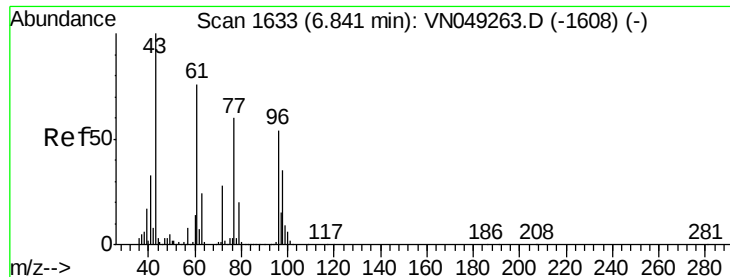
Tot Ion: 43 Resp: 155919  
Ion Ratio Lower Upper  
43 100  
74 24.5 17.4 26.0



#20  
Methylene Chloride  
Concen: 2.16 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

Tgt Ion: 84 Resp: 33982  
Ion Ratio Lower Upper  
84 100  
49 110.6 106.9 160.3  
51 34.2 32.7 49.1  
86 64.3 49.8 74.8

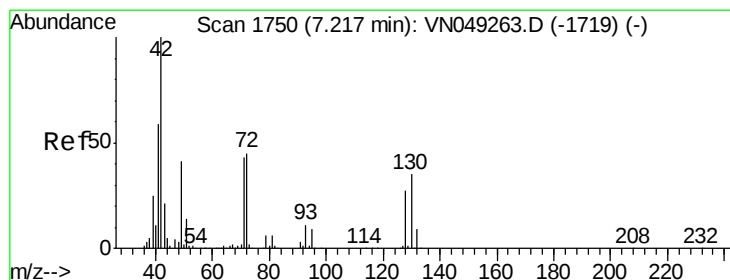
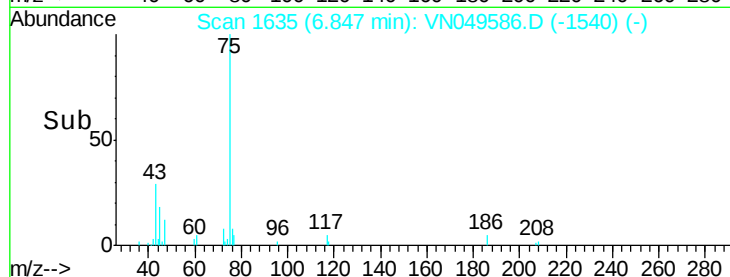
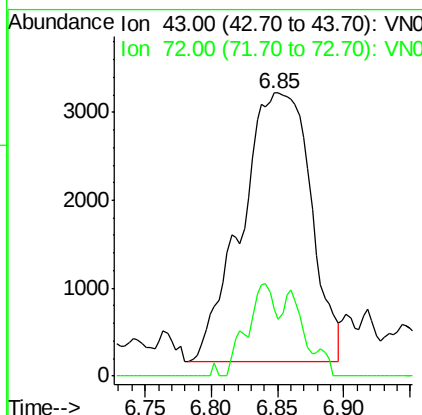
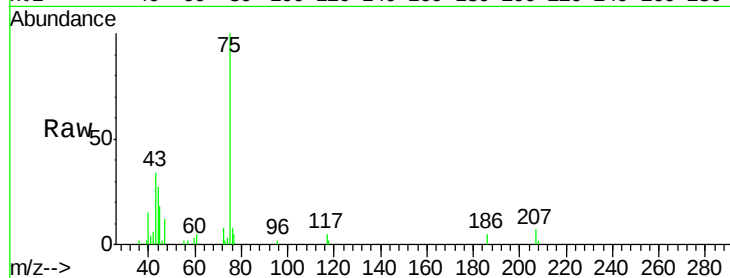




#25  
2-Butanone  
Concen: 2.20 ug/l  
RT: 6.85 min Scan# 1635  
Delta R.T. 0.01 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

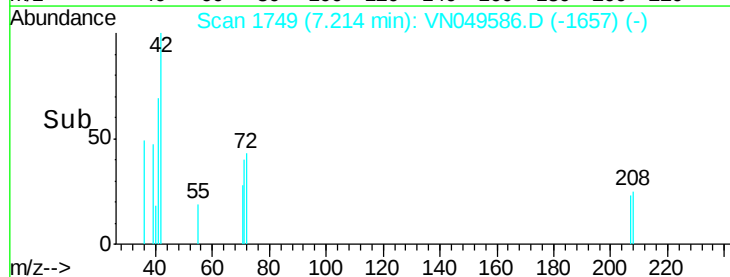
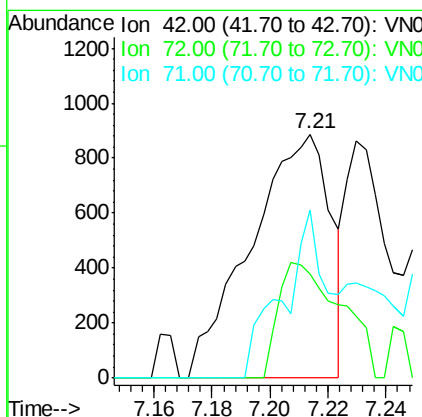
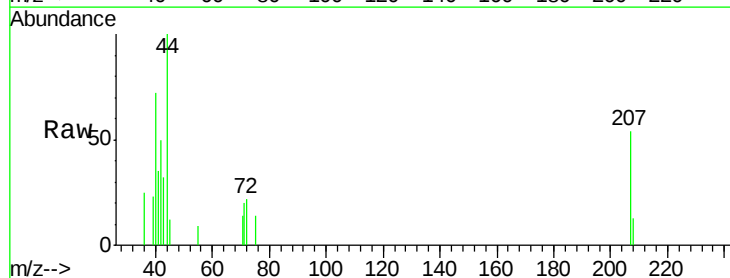
Instrument :  
MSVOA\_N  
ClientSampled :

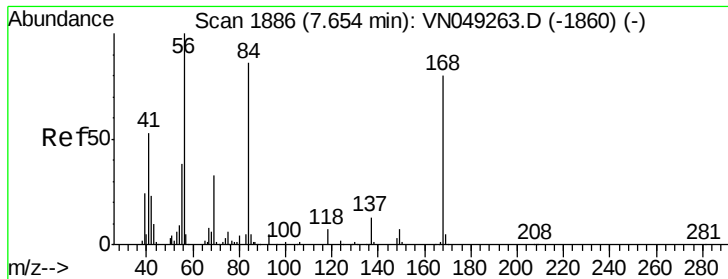
Tot Ion: 43 Resp: 11120  
Ion Ratio Lower Upper  
43 100  
72 25.1 20.2 30.2



#29  
Tetrahydrofuran  
Concen: 0.52 ug/l  
RT: 7.21 min Scan# 1749  
Delta R.T. -0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

Tgt Ion: 42 Resp: 1695  
Ion Ratio Lower Upper  
42 100  
72 37.0 32.2 48.4  
71 38.0 30.5 45.7

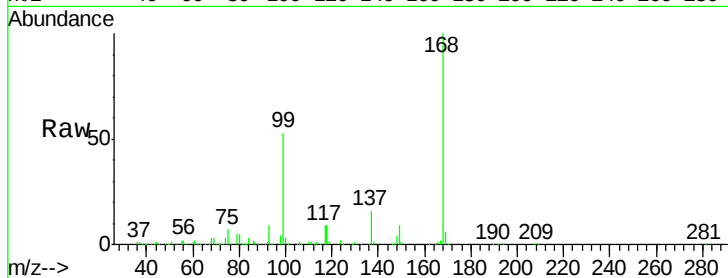




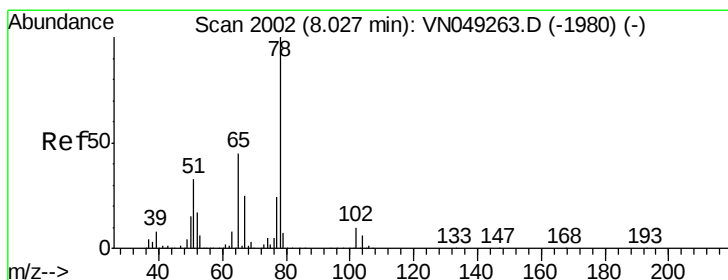
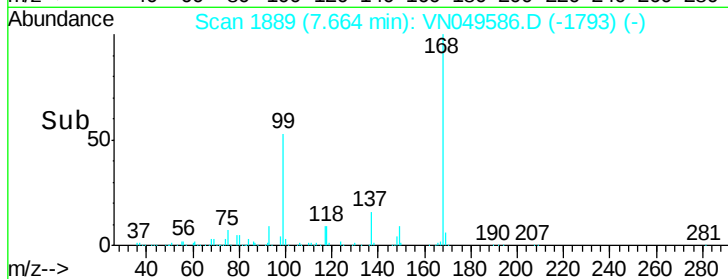
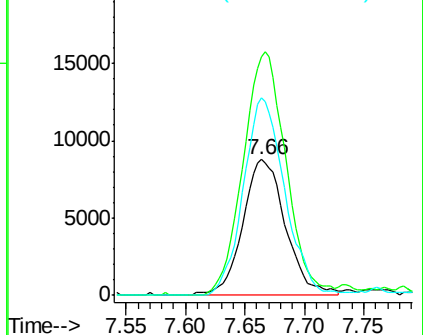
#31  
Cyclohexane  
Concen: 0.78 ug/l  
RT: 7.66 min Scan# 1889  
Delta R.T. 0.01 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 21870  
Ion Ratio Lower Upper  
56 100  
69 175.7 25.0 37.4#  
84 145.2 64.6 96.8#

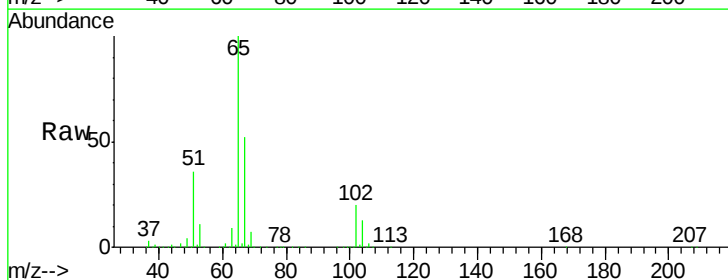


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

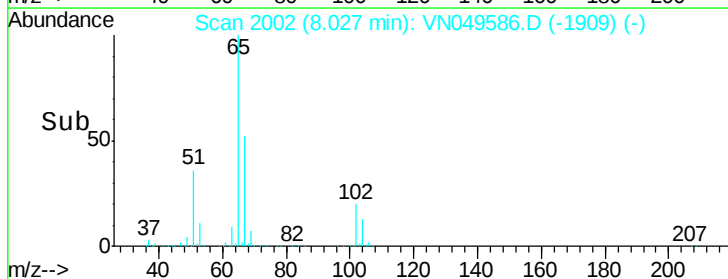
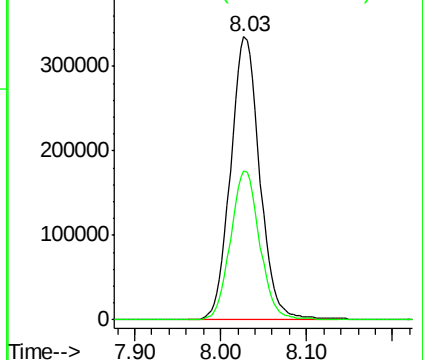


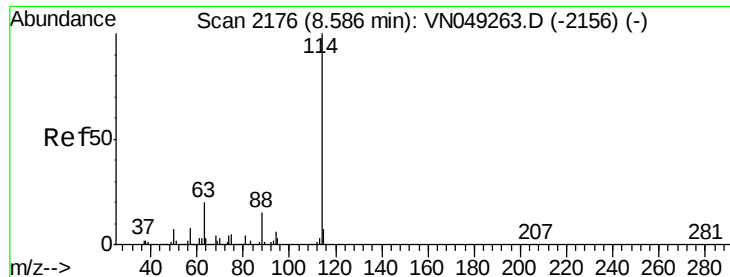
#33  
1,2-Dichloroethane-d4  
Concen: 50.98 ug/l  
RT: 8.03 min Scan# 2002  
Delta R.T. 0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

Tgt Ion: 65 Resp: 791334  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

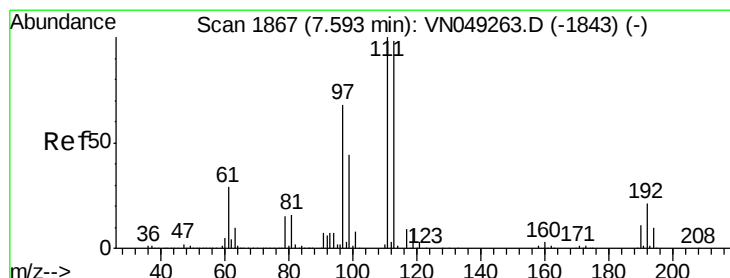
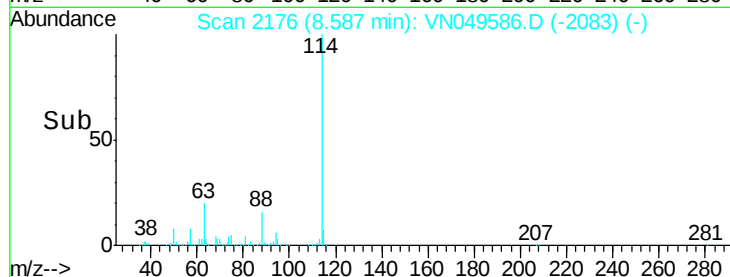
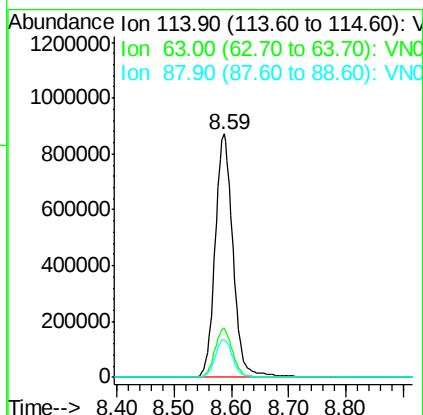
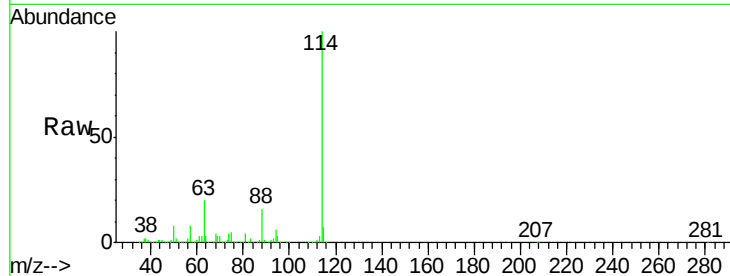




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.59 min Scan# 2176  
Delta R.T. 0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

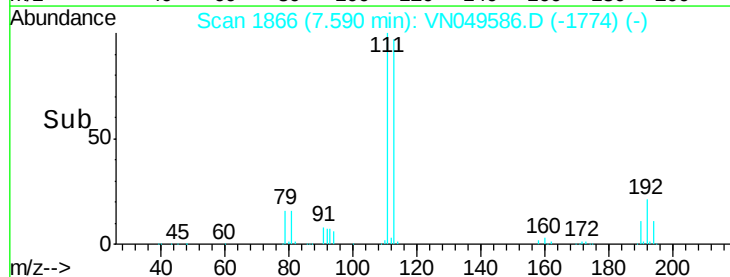
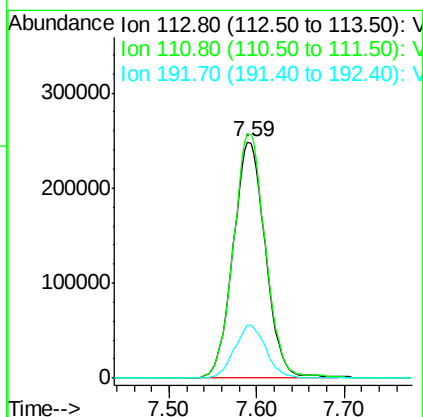
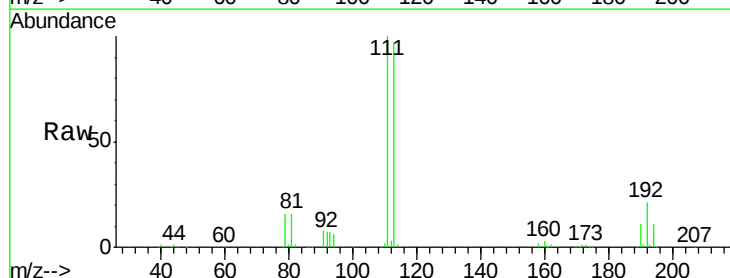
Instrument :  
MSVOA\_N  
ClientSampled :

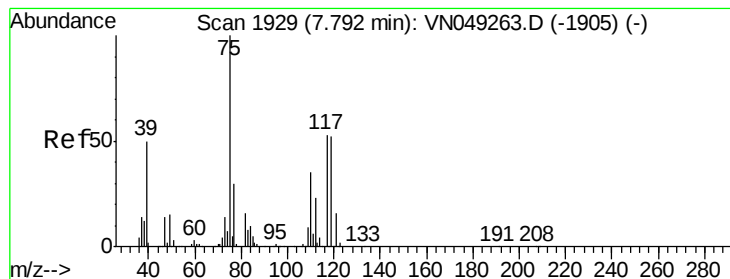
Tot Ion:114 Resp: 1892973  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 44.4  
88 15.5 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 41.53 ug/l  
RT: 7.59 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

Tgt Ion:113 Resp: 636012  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.4 123.6  
192 21.9 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.83 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA\_N

ClientSampleId :

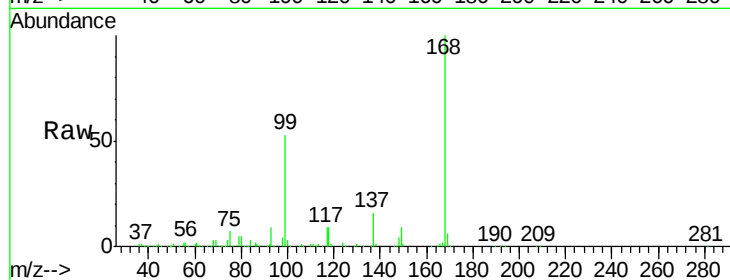
Tot Ion: 75 Resp: 83057

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

77 0.2 24.4 36.6#

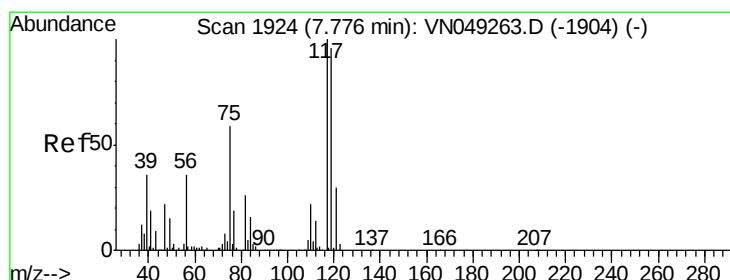
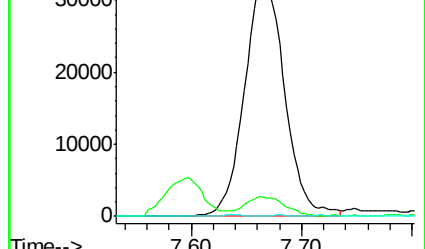
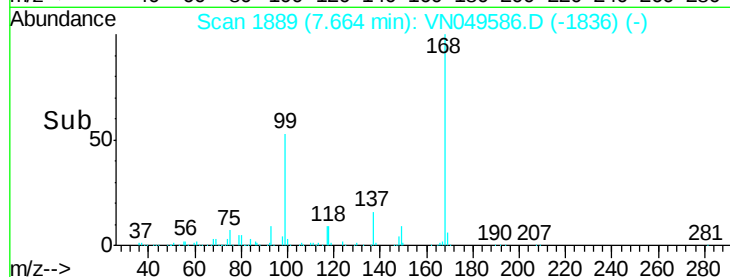


Abundance Ion 74.90 (74.60 to 75.60): VN049586.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049586.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049586.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.68 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

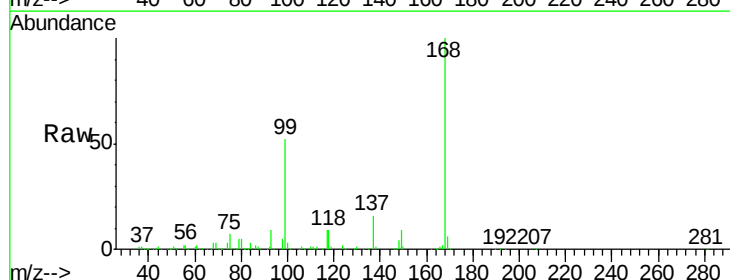
Tgt Ion: 117 Resp: 105121

Ion Ratio Lower Upper

117 100

119 5.6 75.6 113.4#

121 0.0 24.7 37.1#

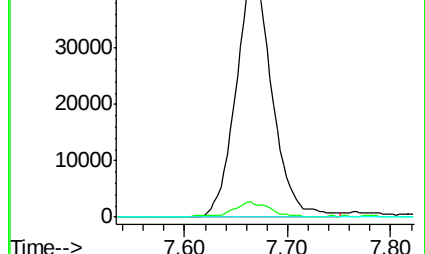
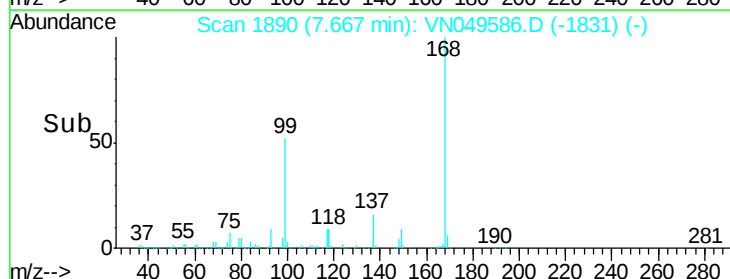


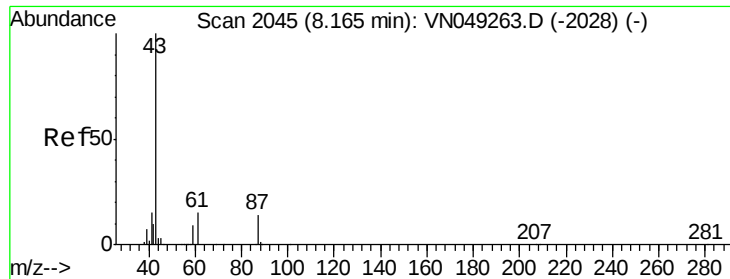
Abundance Ion 116.80 (116.50 to 117.50): VN049586.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049586.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049586.D (-1831) (-)

Time-->





#43

Isopropyl Acetate

Concen: 17.51 ug/l

RT: 8.28 min Scan# 2082

Delta R.T. 0.12 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA\_N

ClientSampled :

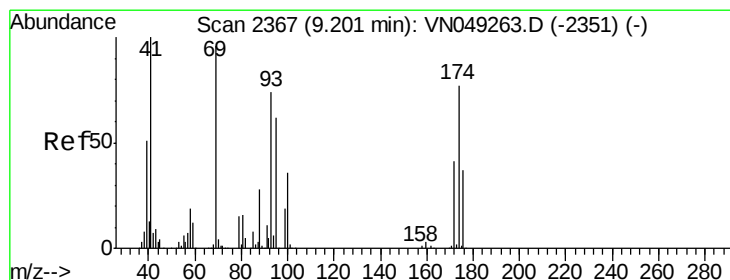
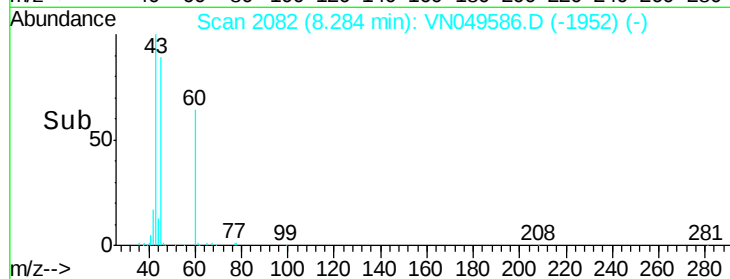
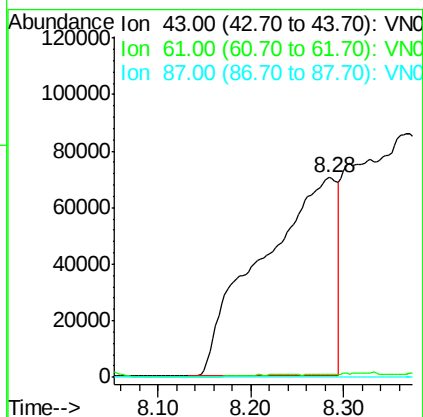
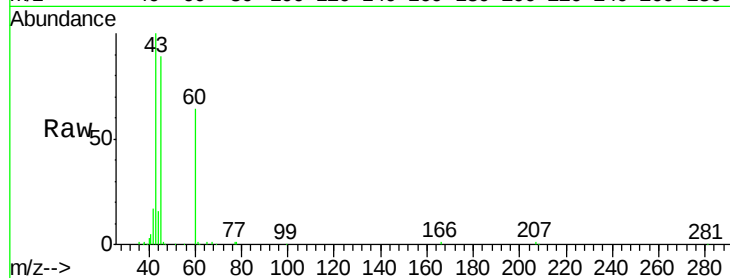
Tot Ion: 43 Resp: 394563

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



#49

1,4-Dioxane

Concen: 1.66 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

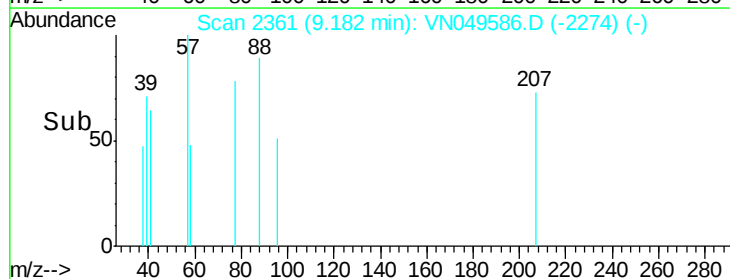
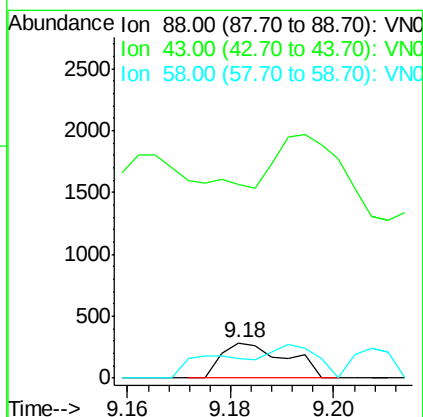
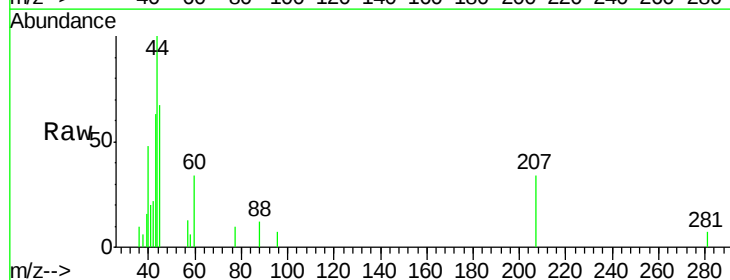
Tgt Ion: 88 Resp: 243

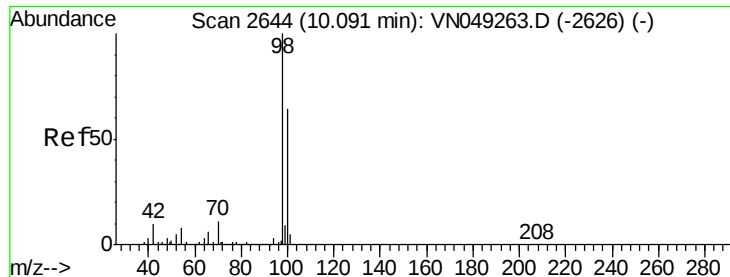
Ion Ratio Lower Upper

88 100

43 170.4 30.9 46.3#

58 65.4 58.9 88.3





#50

Toluene-d8

Concen: 43.67 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA\_N

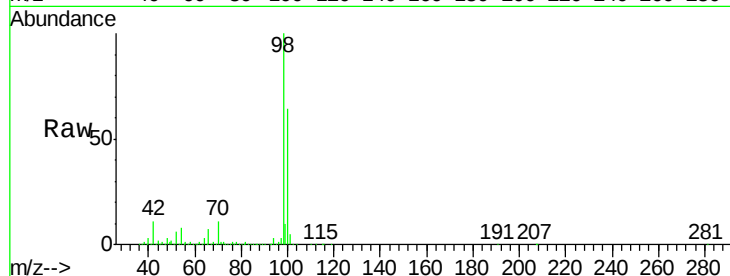
ClientSampled :

Tot Ion: 98 Resp: 2546718

Ion Ratio Lower Upper

98 100

100 64.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)

10.09

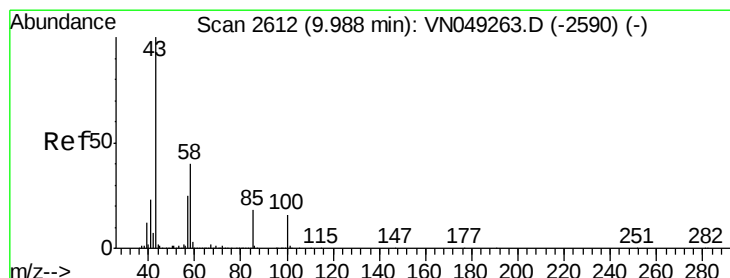
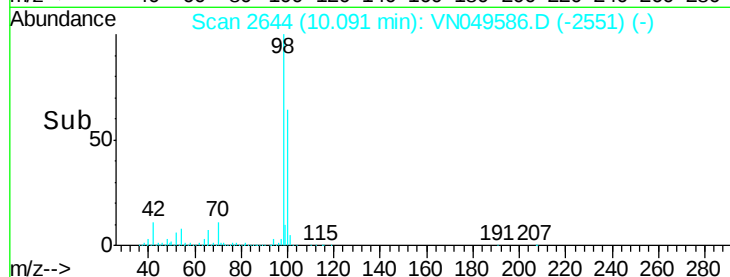
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.58 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049586.D

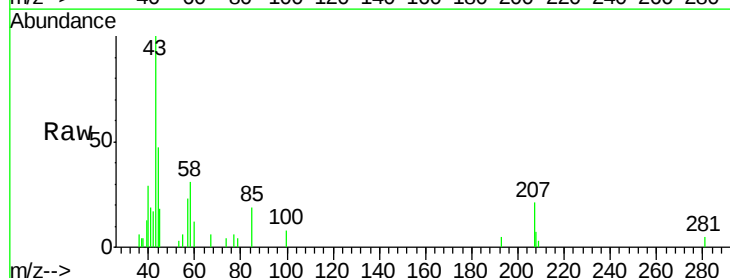
Acq: 28 Jun 2018 13:41

Tgt Ion: 43 Resp: 6898

Ion Ratio Lower Upper

43 100

58 42.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

5000

4000

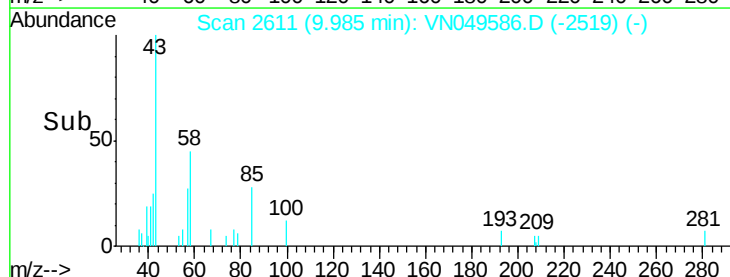
3000

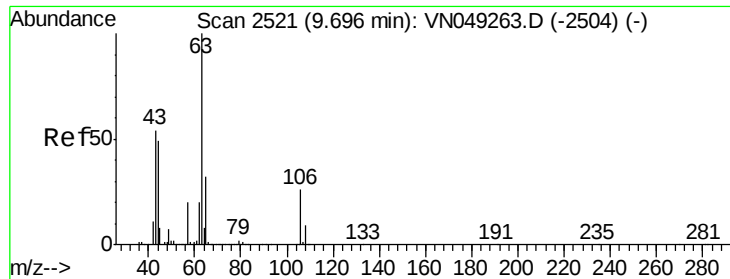
2000

1000

0

Time-->

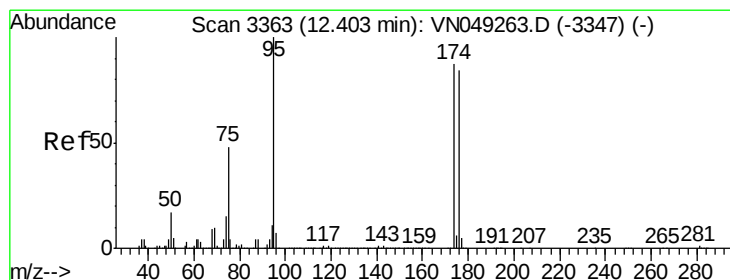
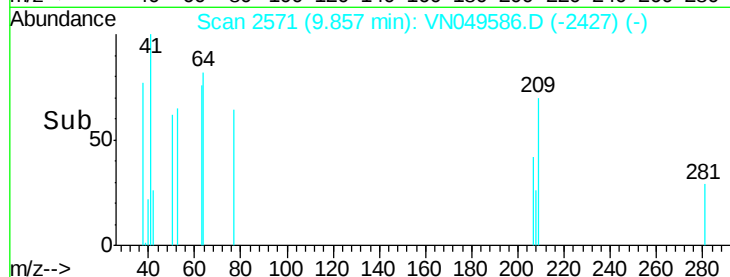
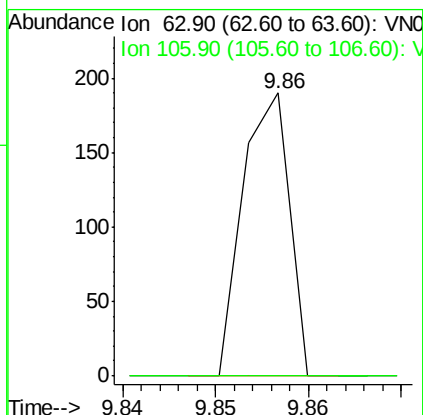
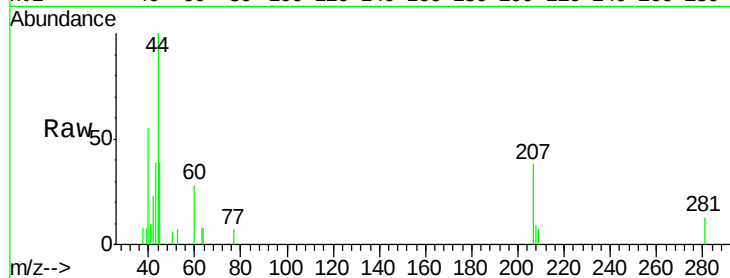




#58  
2-Chloroethyl Vinyl ether  
Concen: 14.34 ug/l  
RT: 9.86 min Scan# 2571  
Delta R.T. 0.16 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

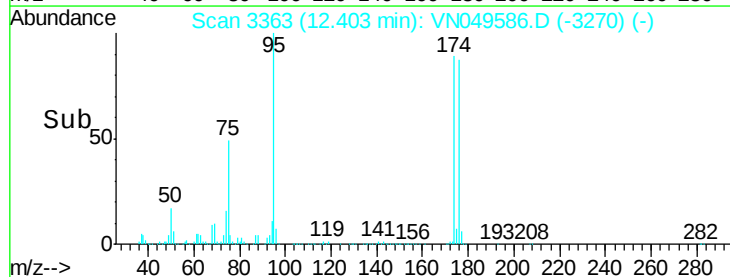
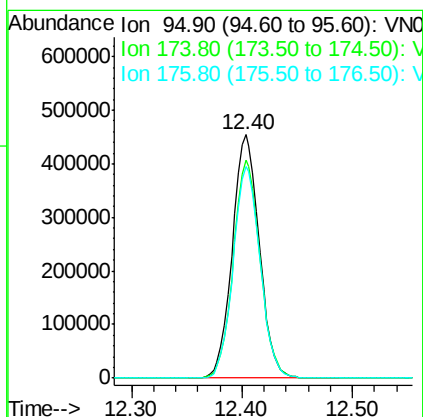
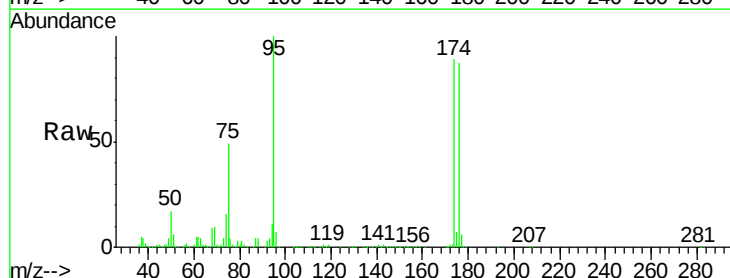
Instrument :  
MSVOA\_N  
ClientSampleId :

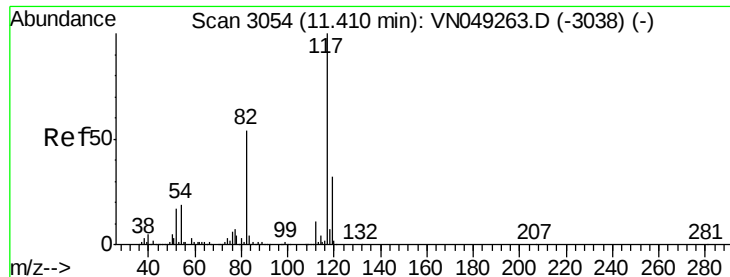
Tot Ion: 63 Resp: 67  
Ion Ratio Lower Upper  
63 100  
106 0.0 19.4 29.2#



#62  
4-Bromofluorobenzene  
Concen: 39.99 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

Tgt Ion: 95 Resp: 771109  
Ion Ratio Lower Upper  
95 100  
174 88.9 0.0 165.6  
176 86.5 0.0 157.4

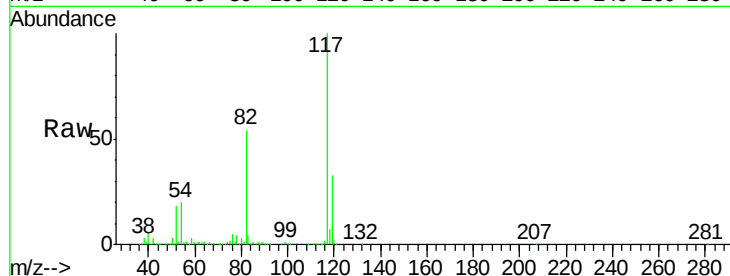




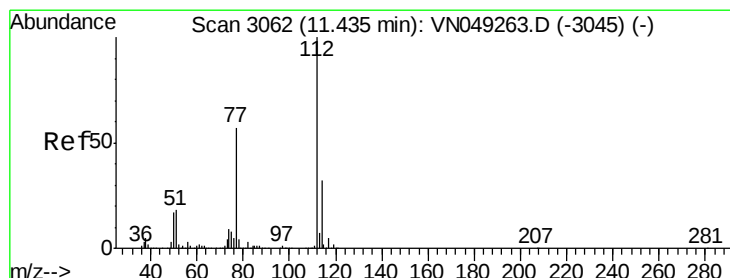
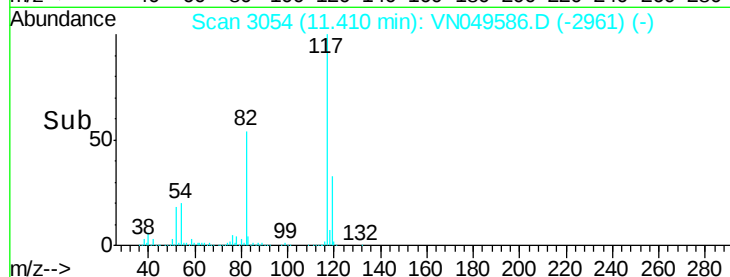
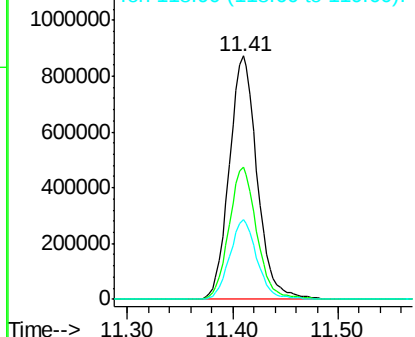
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 1591538  
Ion Ratio Lower Upper  
117 100  
82 54.2 45.9 68.9  
119 32.5 25.5 38.3

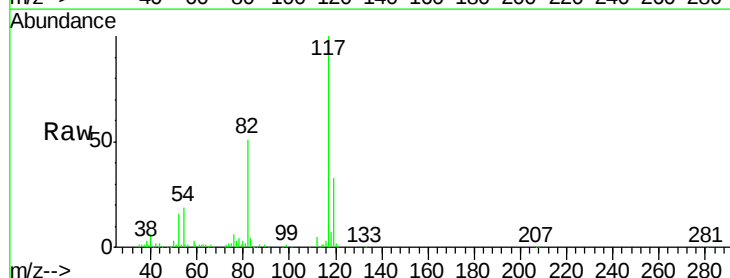


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

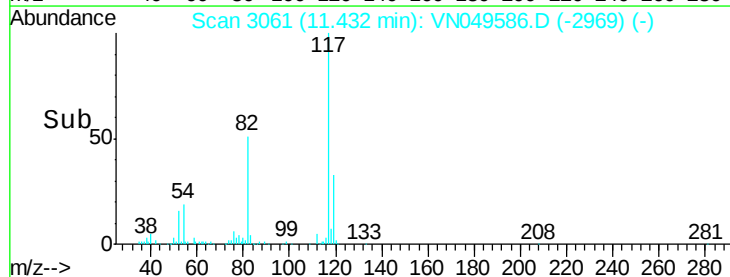
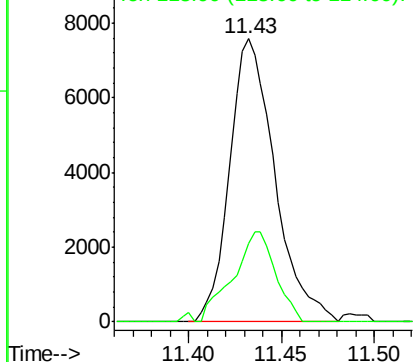


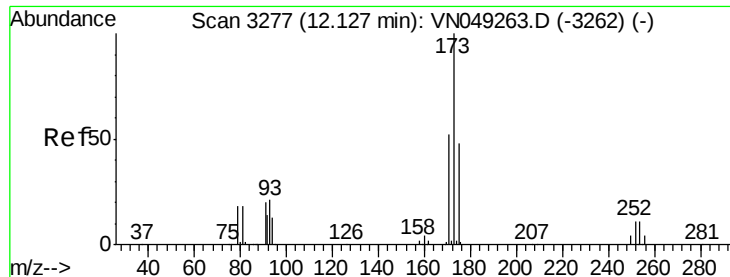
#65  
Chlorobenzene  
Concen: 0.31 ug/l  
RT: 11.43 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN049586.D  
Acq: 28 Jun 2018 13:41

Tgt Ion:112 Resp: 12819  
Ion Ratio Lower Upper  
112 100  
114 27.8 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA\_N

ClientSampleId :

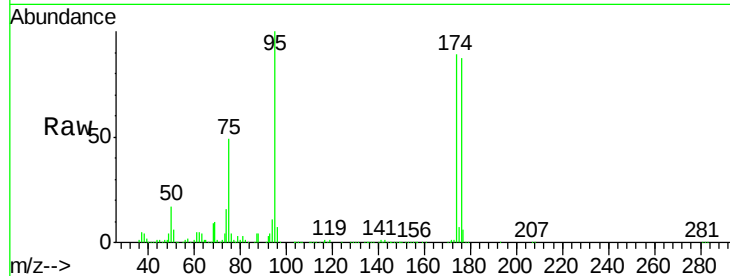
Tot Ion:173 Resp: 5655

Ion Ratio Lower Upper

173 100

175 737.4 24.5 73.5#

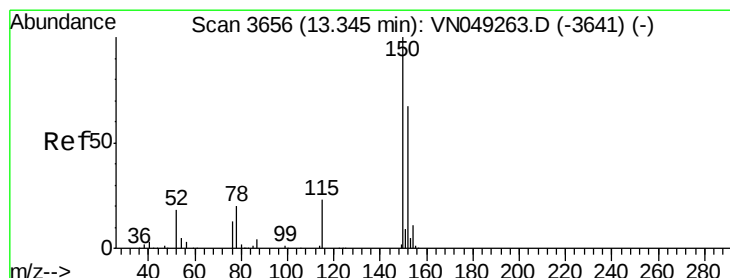
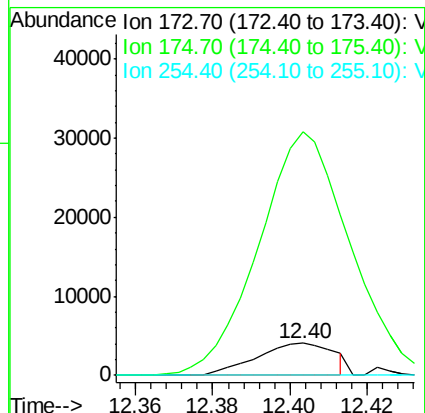
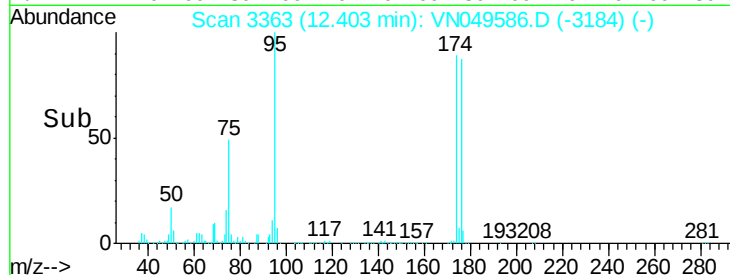
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

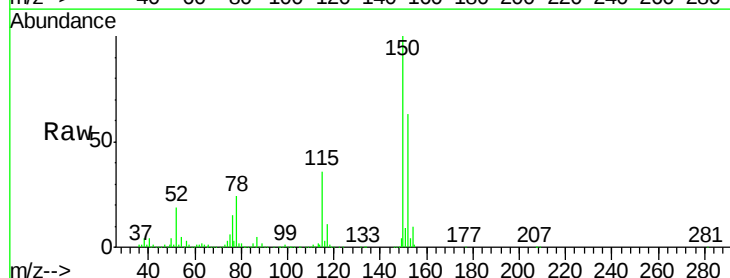
Tgt Ion:152 Resp: 640767

Ion Ratio Lower Upper

152 100

115 56.3 28.7 86.1

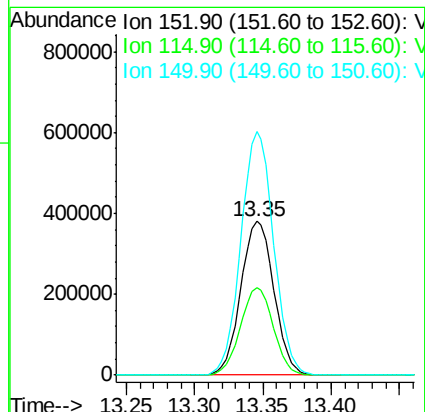
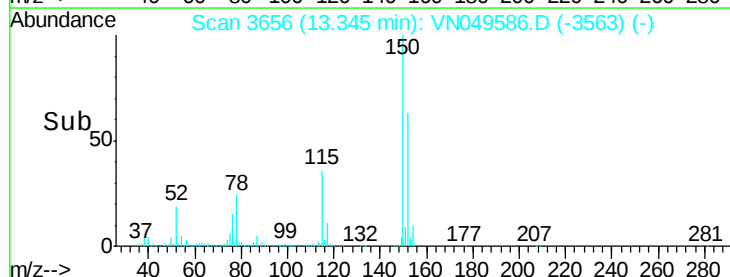
150 156.3 0.0 351.0

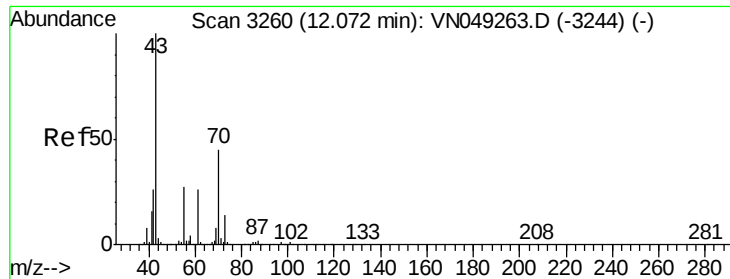


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.28 ug/l

RT: 12.04 min Scan# 3250

Delta R.T. -0.03 min

Lab File: VN049586.D

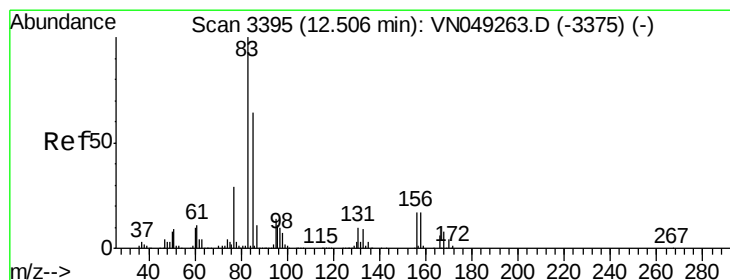
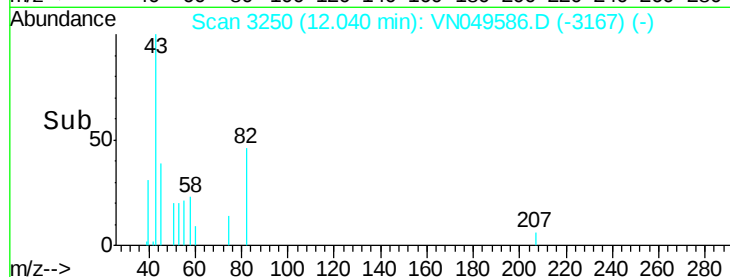
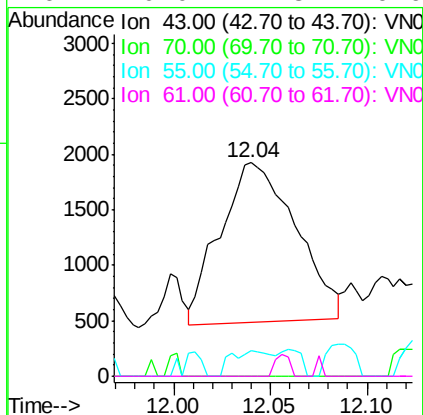
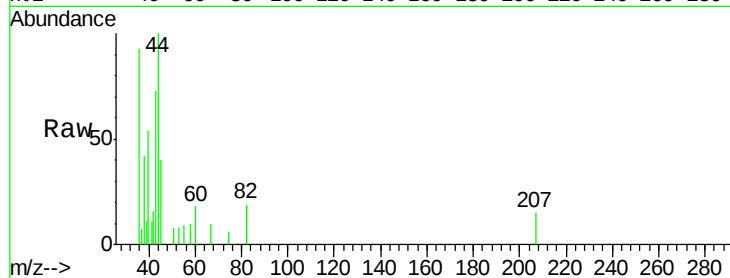
Acq: 28 Jun 2018 13:41

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 3921  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 30.3  | 45.5# |
| 55       | 8.8   | 19.4  | 29.2# |
| 61       | 0.0   | 17.8  | 26.6# |



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

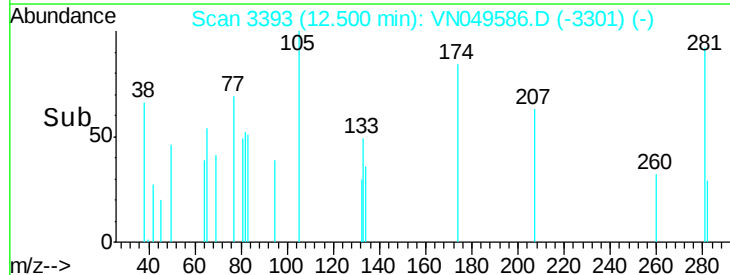
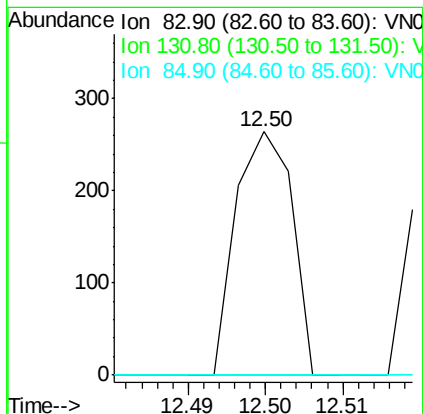
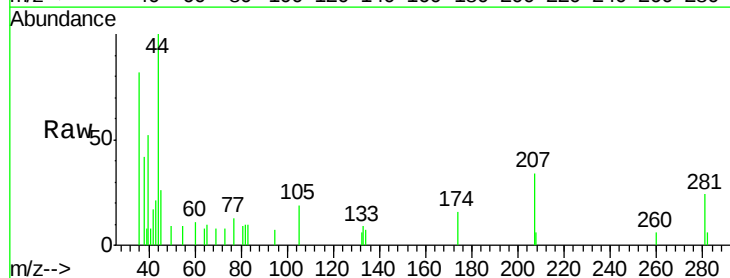
RT: 12.50 min Scan# 3393

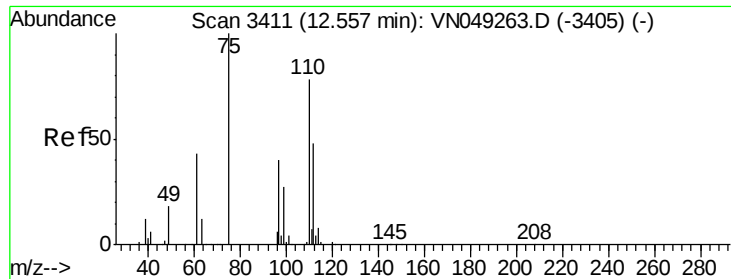
Delta R.T. -0.01 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 133   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 0.0   | 5.0   | 15.0# |
| 85       | 0.0   | 32.0  | 96.0# |

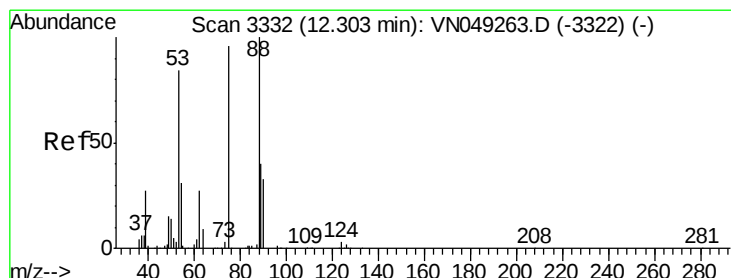
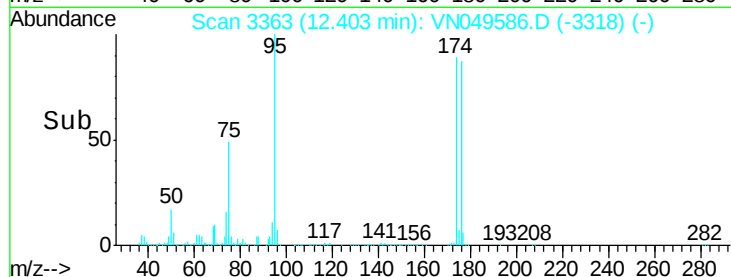
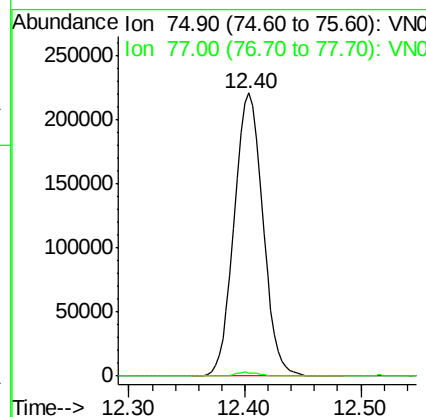
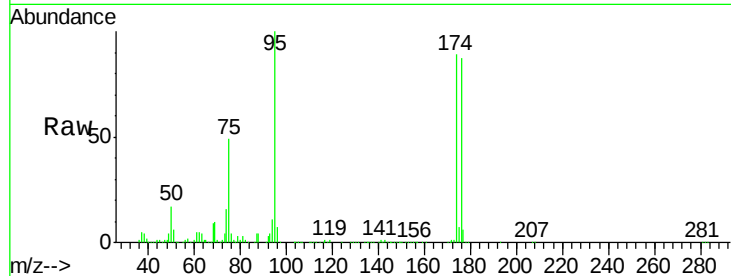




#76  
 1,2,3-Trichloropropane  
 Concen: 34.52 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. -0.15 min  
 Lab File: VN049586.D  
 Acq: 28 Jun 2018 13:41

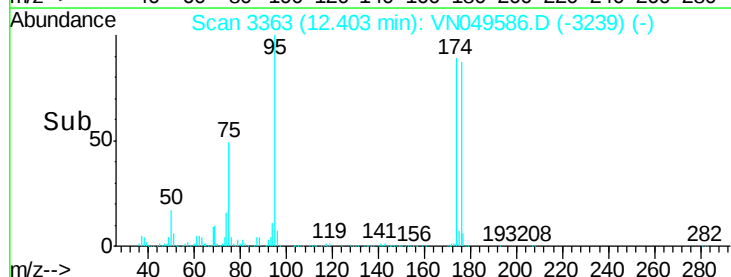
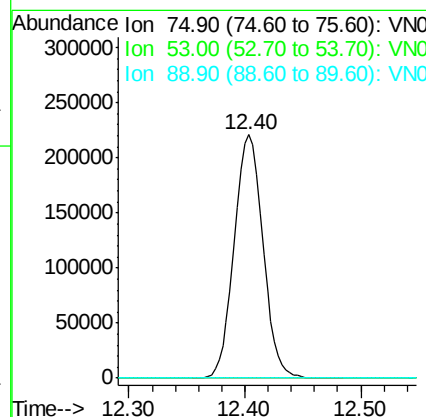
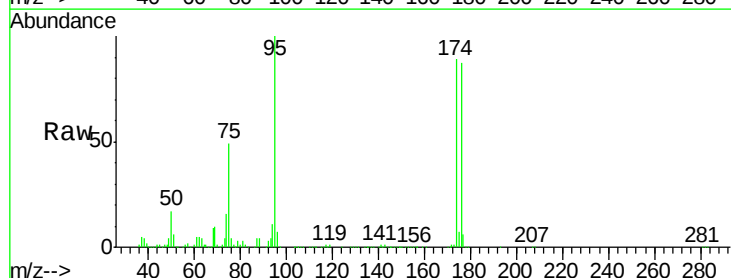
Instrument :  
 MSVOA\_N  
 ClientSampleId :

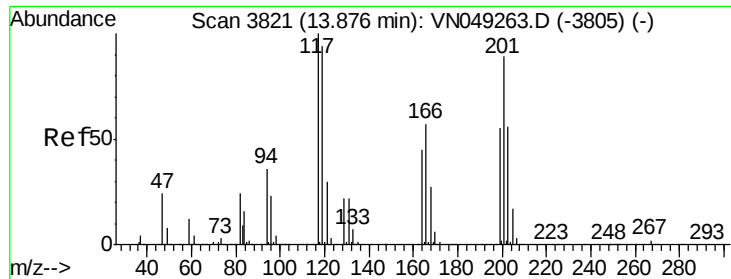
Tot Ion: 75 Resp: 377360  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 109.09 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.10 min  
 Lab File: VN049586.D  
 Acq: 28 Jun 2018 13:41

Tgt Ion: 75 Resp: 377360  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 82.7 124.1#  
 89 0.0 36.5 54.7#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA\_N

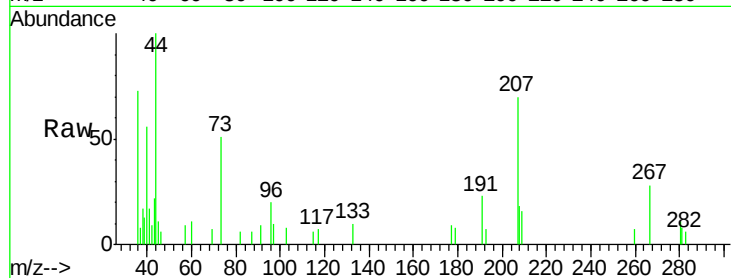
ClientSampled :

Tot Ion:117 Resp: 70

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

200

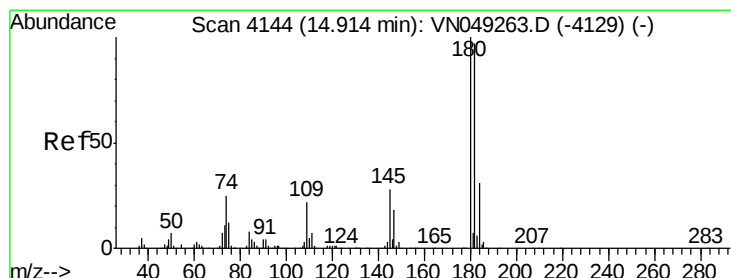
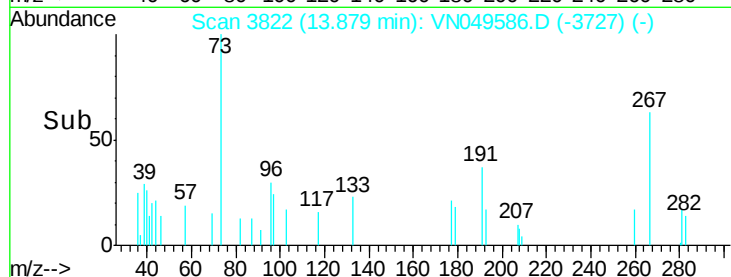
150

100

50

0

Time--> 13.87 13.88 13.89



#93

1,2,4-Trichlorobenzene

Concen: 4.91 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

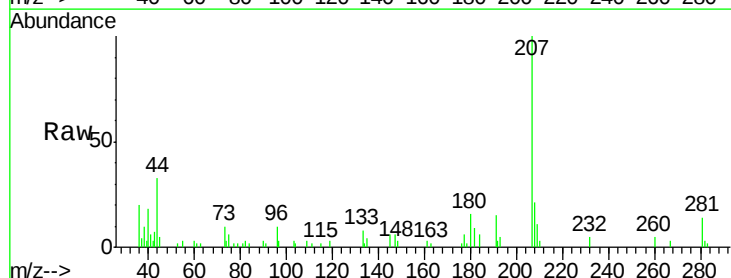
Tgt Ion:180 Resp: 2008

Ion Ratio Lower Upper

180 100

182 48.9 46.9 140.8

145 39.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

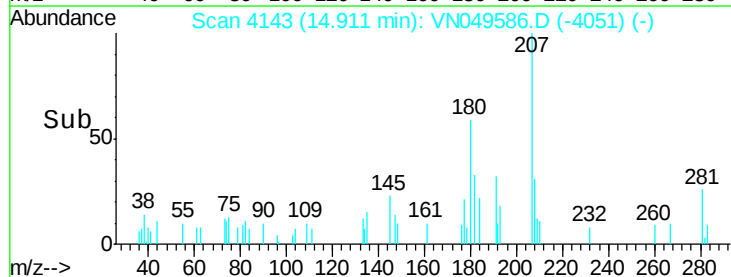
1500

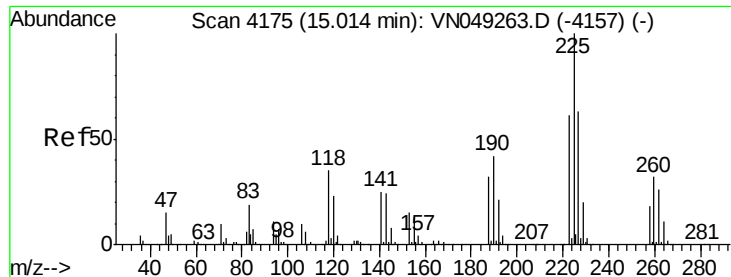
1000

500

0

Time--> 14.90 14.91 14.92





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

Instrument :

MSVOA\_N

ClientSampled :

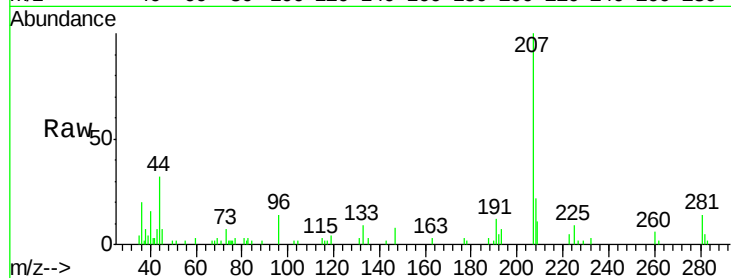
Tot Ion:225 Resp: 979

Ion Ratio Lower Upper

225 100

223 65.5 32.1 96.3

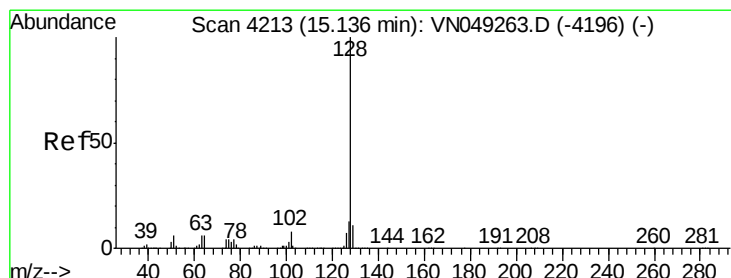
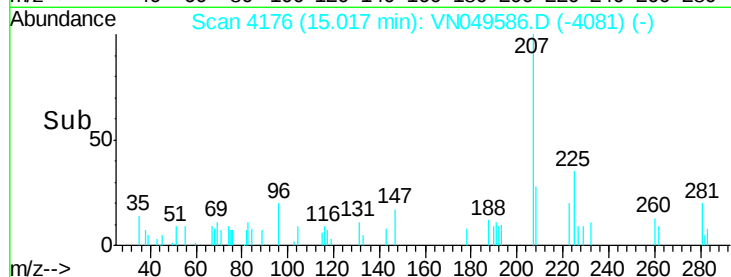
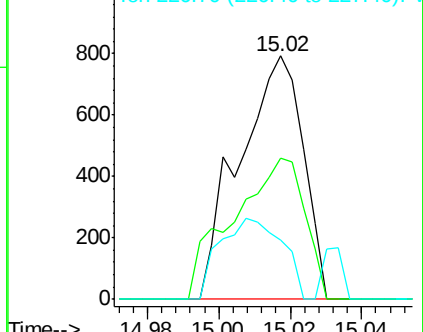
227 32.6 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.35 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049586.D

Acq: 28 Jun 2018 13:41

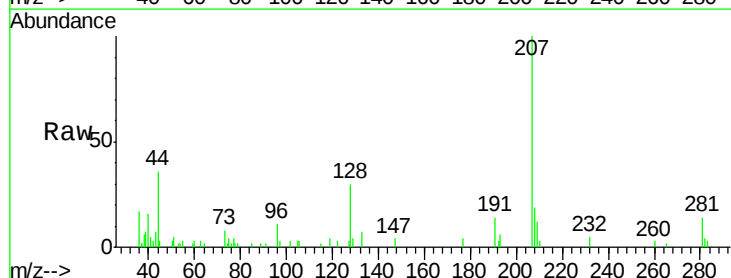
Tgt Ion:128 Resp: 4855

Ion Ratio Lower Upper

128 100

127 11.6 10.6 16.0

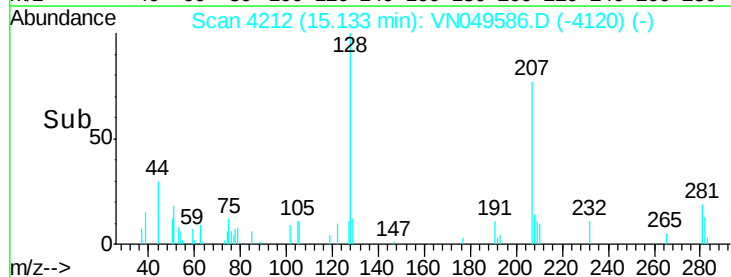
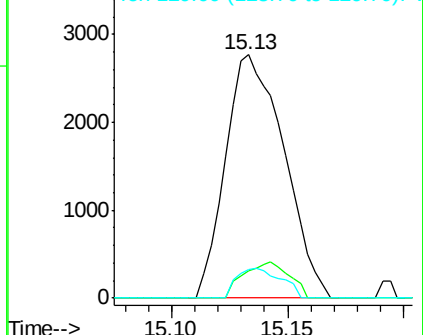
129 9.3 8.5 12.7

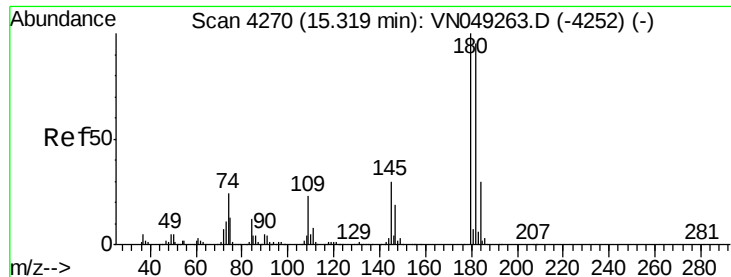


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.62 ug/l  
 RT: 15.31 min Scan# 4268  
 Delta R.T. -0.01 min  
 Lab File: VN049586.D  
 Acq: 28 Jun 2018 13:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.0  | 47.3  | 141.8 |
| 145     | 29.0  | 15.6  | 46.7  |

