

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\  
 Data File : VN060863.D  
 Acq On : 6 Apr 2020 19:44  
 Operator : JC/MD  
 Sample : L2109-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OIL-WATER-SEPARATOR-1

Quant Time: Apr 07 07:07:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 200822   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 334425   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 315935   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 149642   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 130238   | 47.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.48%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 99785    | 49.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.70%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 414520   | 50.19 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.38% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 156348   | 51.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.30% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.72  | 59   | 1045     | 2.577  | ug/l # | 72     |
| 16) Acetone                    | 3.78  | 43   | 37344    | 38.242 | ug/l   | 100    |
| 17) Carbon Disulfide           | 4.03  | 76   | 3735     | 0.565  | ug/l # | 75     |
| 18) Methyl Acetate             | 4.29  | 43   | 1212     | 0.441  | ug/l # | 54     |
| 20) Methylene Chloride         | 4.52  | 84   | 8781     | 3.655  | ug/l   | 94     |
| 25) 2-Butanone                 | 6.80  | 43   | 25851    | 16.359 | ug/l   | 99     |
| 26) 2,2-Dichloropropane        | 6.77  | 77   | 749      | 0.216  | ug/l # | 53     |
| 29) Tetrahydrofuran            | 7.18  | 42   | 508      | 0.454  | ug/l # | 35     |
| 31) Cyclohexane                | 7.64  | 56   | 4216     | 0.950  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 15651    | 4.833  | ug/l # | 50     |
| 37) Ethyl Acetate              | 6.80  | 43   | 25851    | 7.388  | ug/l # | 71     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 19223    | 6.623  | ug/l # | 16     |
| 40) Benzene                    | 8.02  | 78   | 5239     | 0.536  | ug/l   | 99     |
| 43) Isopropyl Acetate          | 8.14  | 43   | 52880    | 9.164  | ug/l # | 90     |
| 45) 1,2-Dichloropropane        | 9.25  | 63   | 1031     | 0.400  | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.15  | 41   | 8232     | 3.204  | ug/l # | 37     |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 10339    | 3.149  | ug/l   | 97     |
| 52) Toluene                    | 10.14 | 92   | 4920     | 0.833  | ug/l   | 88     |
| 54) cis-1,3-Dichloropropene    | 9.89  | 75   | 19005    | 4.654  | ug/l # | 58     |
| 57) 1,3-Dichloropropane        | 10.75 | 76   | 2777     | 0.705  | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.75 | 43   | 47155    | 19.935 | ug/l # | 57     |
| 67) Ethyl Benzene              | 11.50 | 91   | 12135    | 1.042  | ug/l   | 97     |
| 68) m/p-Xylenes                | 11.61 | 106  | 14929    | 3.449  | ug/l   | 99     |
| 69) o-Xylene                   | 11.94 | 106  | 7501     | 1.815  | ug/l   | 99     |
| 71) Bromoform                  | 12.40 | 173  | 945      | 2.165  | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.24 | 105  | 2387     | 0.213  | ug/l   | 91     |
| 74) N-amyl acetate             | 12.02 | 43   | 5417     | 1.044  | ug/l # | 45     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 79065    | 24.486 | ug/l # | 100    |
| 78) n-propylbenzene            | 12.59 | 91   | 4597     | 0.346  | ug/l   | 98     |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 2585     | 0.326  | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 10754    | 1.128  | ug/l   | 96     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 79065    | 62.888 | ug/l # | 13     |
| 83) tert-Butylbenzene          | 13.23 | 119  | 2692     | 0.341  | ug/l   | 76     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 34968    | 3.709  | ug/l   | 98     |

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Sample : L2109-02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 25 Sample Multiplier: 1

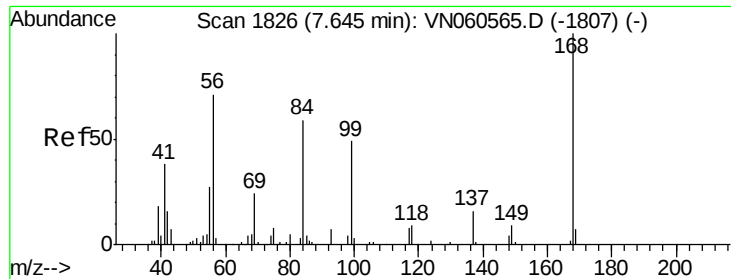
Instrument :  
MSVOA\_N  
ClientSampleId :  
OIL-WATER-SEPARATOR-1

Quant Time: Apr 07 07:07:55 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 86) p-Isopropyltoluene         | 13.28 | 119  | 72716    | 7.612     | ug/l   | 99       |
| 90) Hexachloroethane           | 13.89 | 117  | 939      | 0.676     | ug/l # | 8        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 31       | Below Cal | #      | 3        |
| 95) Naphthalene                | 15.13 | 128  | 17329    | 2.056     | ug/l   | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

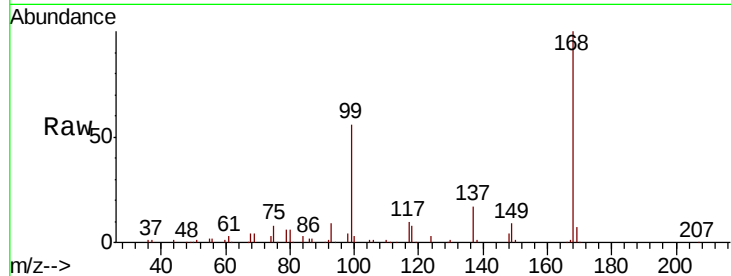
OIL-WATER-SEPARATOR-1

Tot Ion:168 Resp: 200822

Ion Ratio Lower Upper

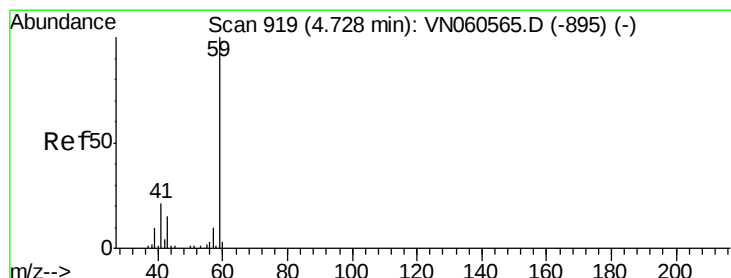
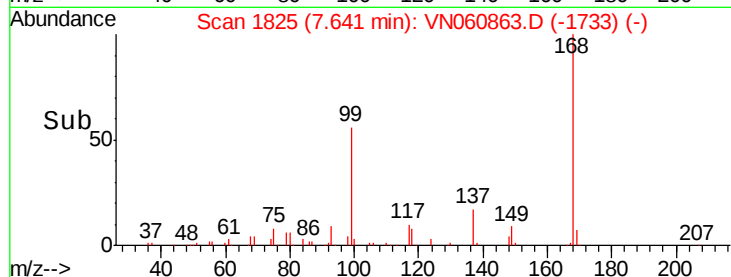
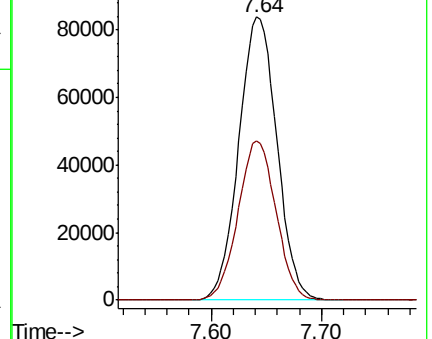
168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 2.577 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.01 min

Lab File: VN060863.D

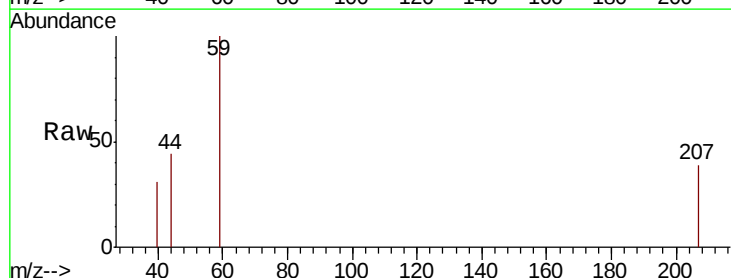
Acq: 6 Apr 2020 19:44

Tgt Ion: 59 Resp: 1045

Ion Ratio Lower Upper

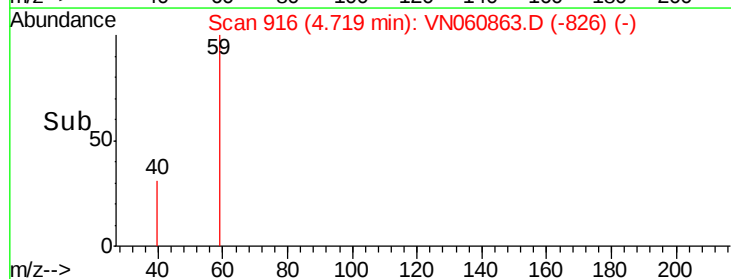
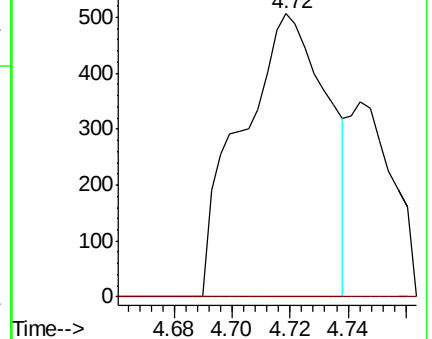
59 100

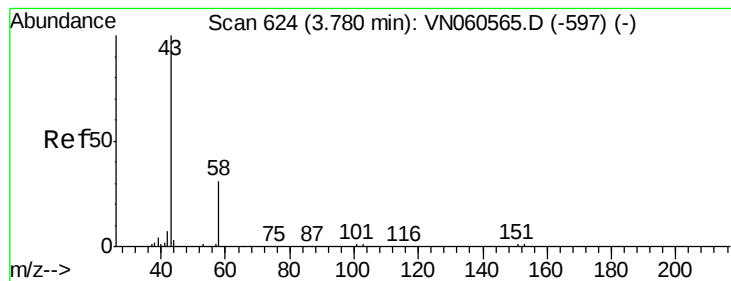
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 38.242 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

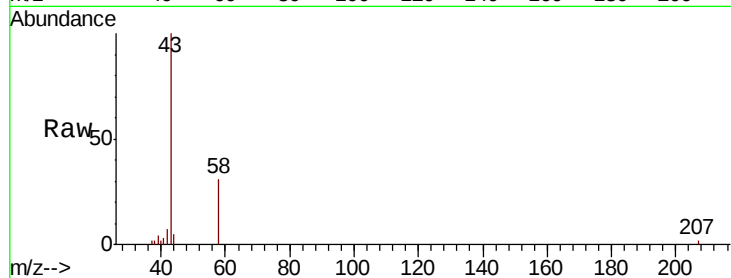
OIL-WATER-SEPARATOR-1

Tot Ion: 43 Resp: 37344

Ion Ratio Lower Upper

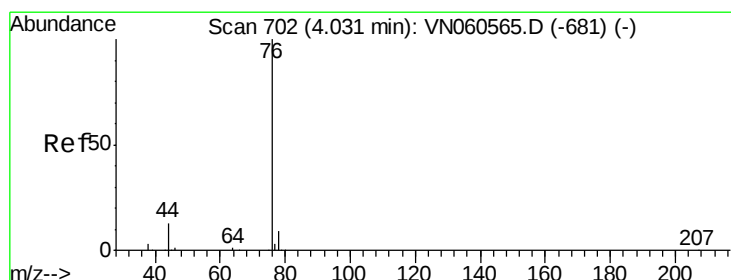
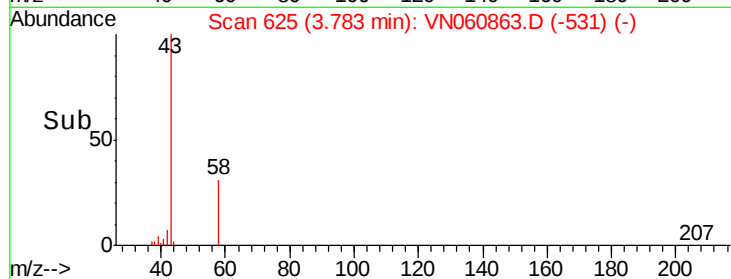
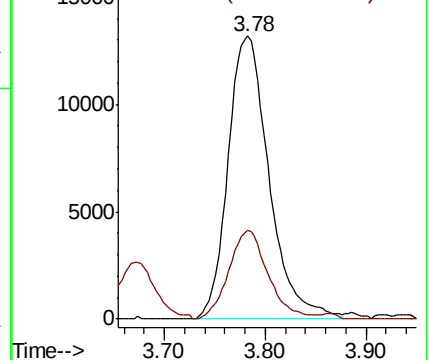
43 100

58 31.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060863.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060863.D (-531) (-)



#17

Carbon Disulfide

Concen: 0.565 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060863.D

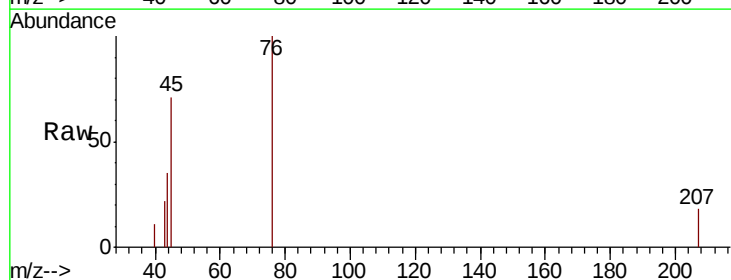
Acq: 6 Apr 2020 19:44

Tgt Ion: 76 Resp: 3735

Ion Ratio Lower Upper

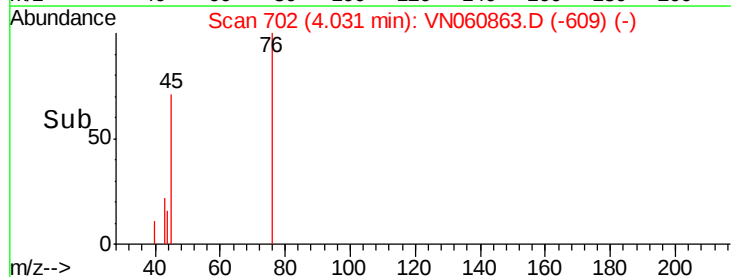
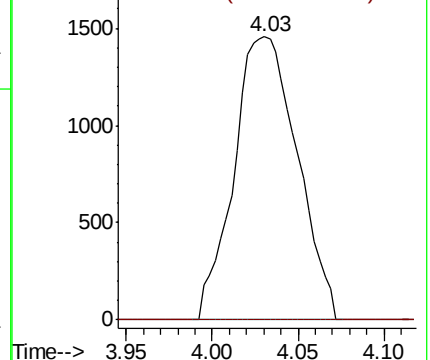
76 100

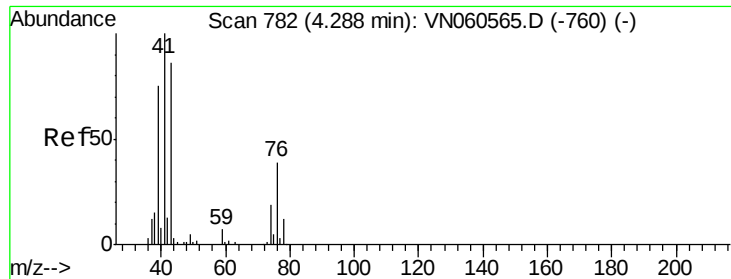
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN060863.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060863.D (-609) (-)

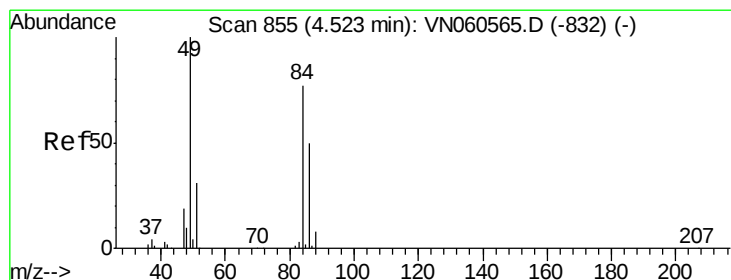
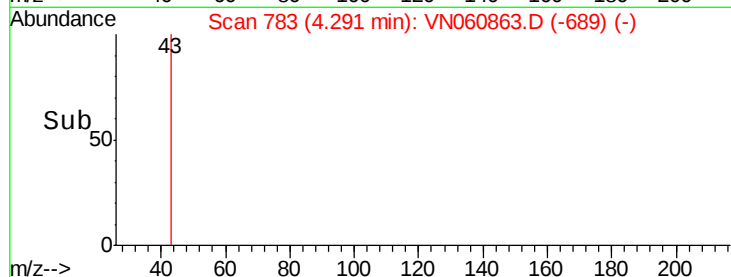
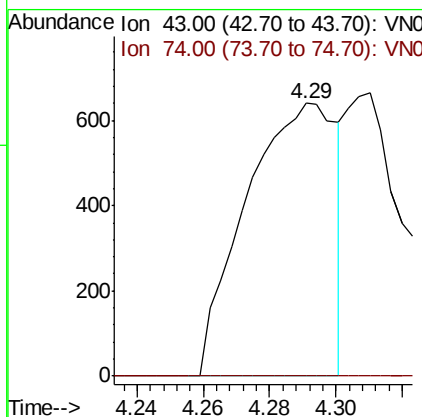
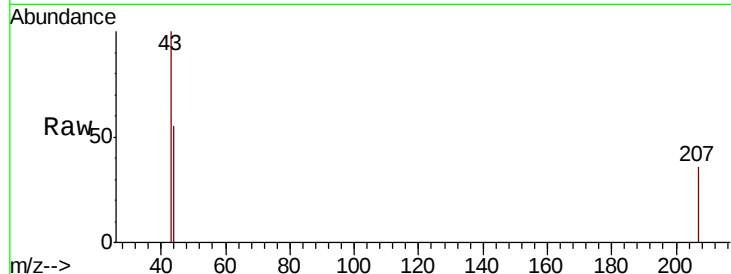




#18  
Methvl Acetate  
Concen: 0.441 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

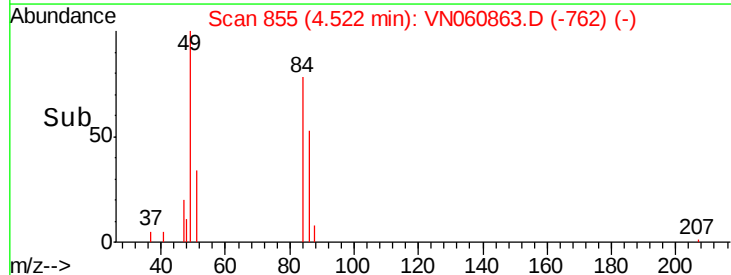
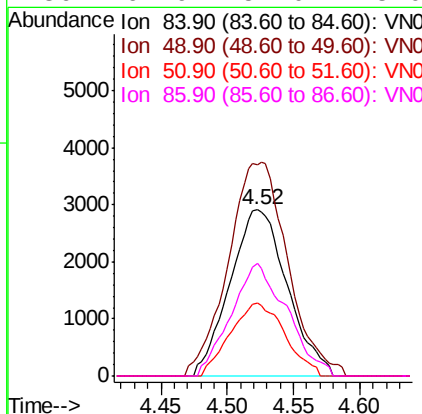
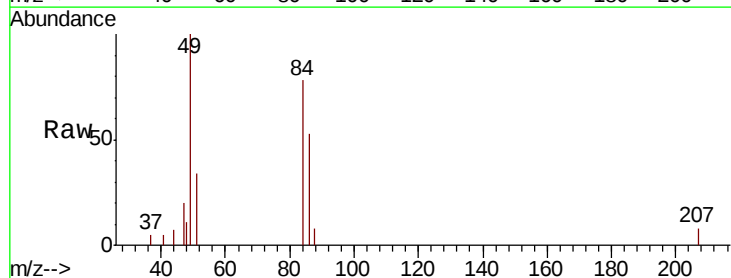
Instrument :  
MSVOA\_N  
ClientSampleId :  
OIL-WATER-SEPARATOR-1

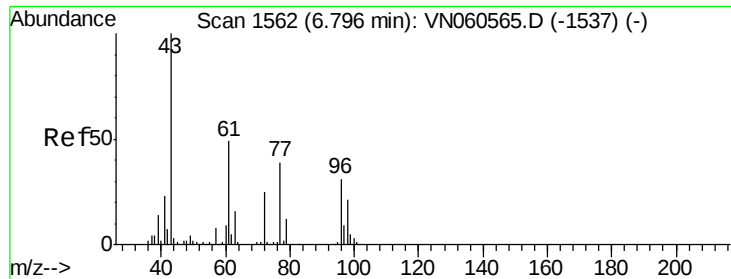
Tot Ion: 43 Resp: 1212  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.5 26.3#



#20  
Methylene Chloride  
Concen: 3.655 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

Tgt Ion: 84 Resp: 8781  
Ion Ratio Lower Upper  
84 100  
49 121.3 103.3 154.9  
51 43.8 31.6 47.4  
86 67.9 52.0 78.0

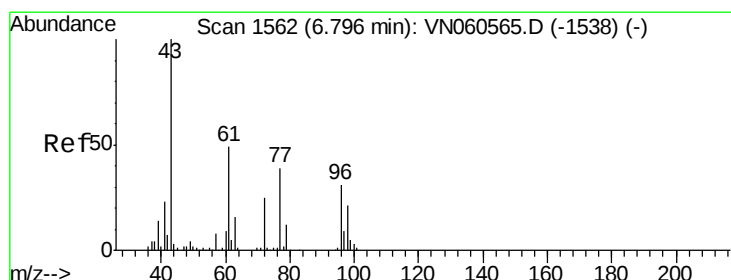
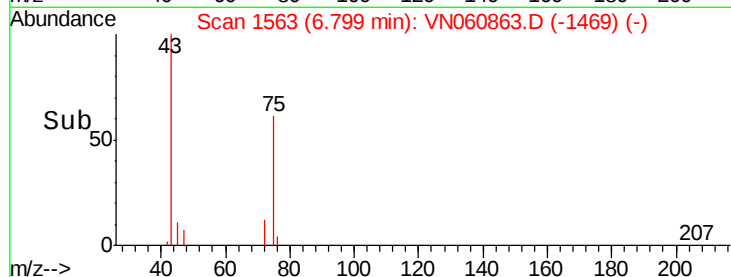
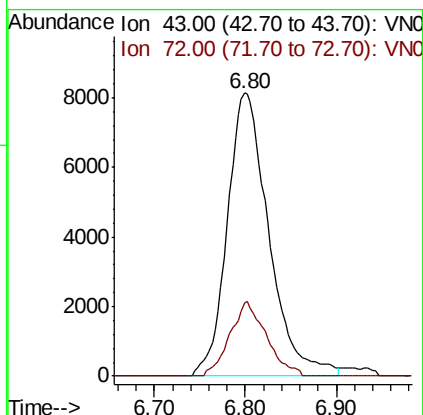
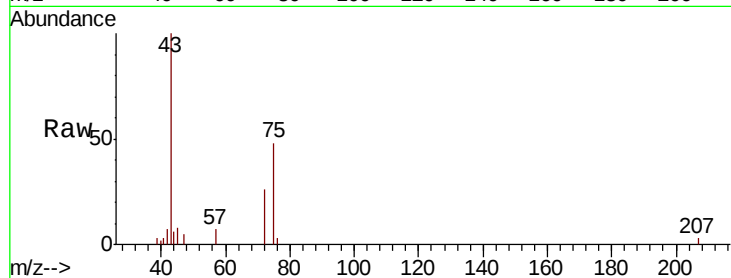




#25  
2-Butanone  
Concen: 16.359 ug/l  
RT: 6.80 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

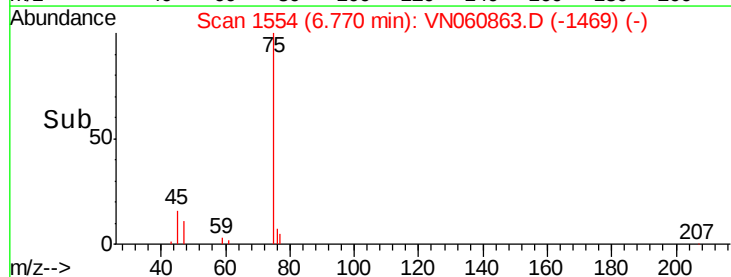
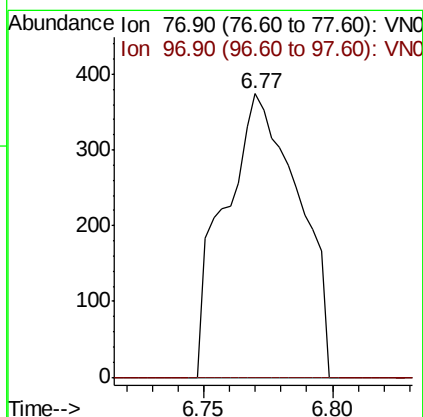
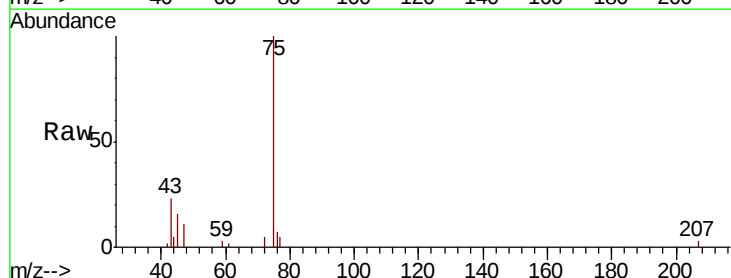
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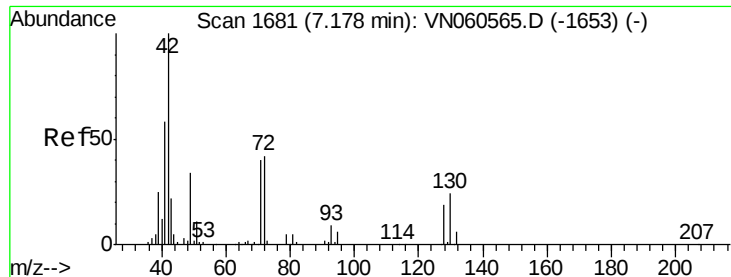
Tot Ion: 43 Resp: 25851  
Ion Ratio Lower Upper  
43 100  
72 25.8 20.4 30.6



#26  
2,2-Dichloropropane  
Concen: 0.216 ug/l  
RT: 6.77 min Scan# 1554  
Delta R.T. -0.03 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

Tgt Ion: 77 Resp: 749  
Ion Ratio Lower Upper  
77 100  
97 0.0 11.4 34.1#

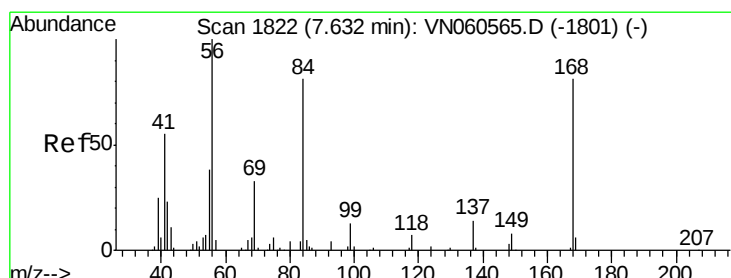
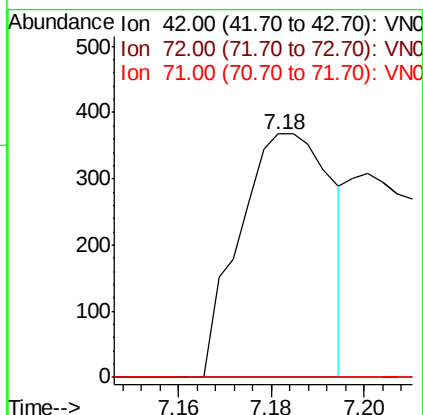
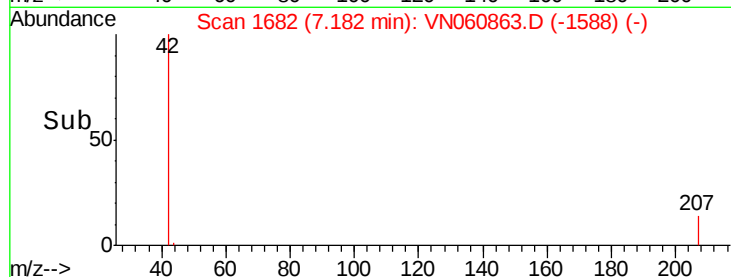
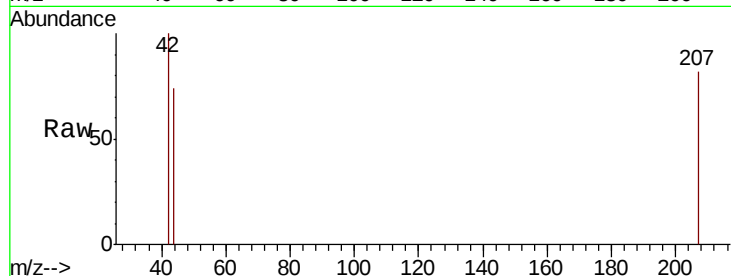




#29  
Tetrahydrofuran  
Concen: 0.454 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. 0.00 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

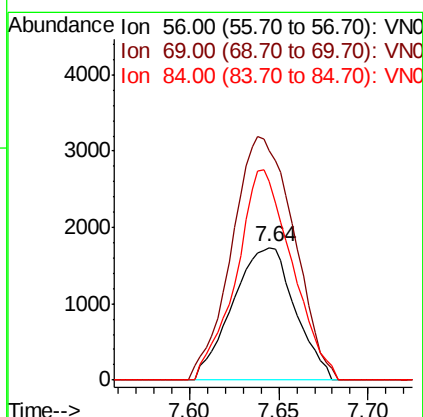
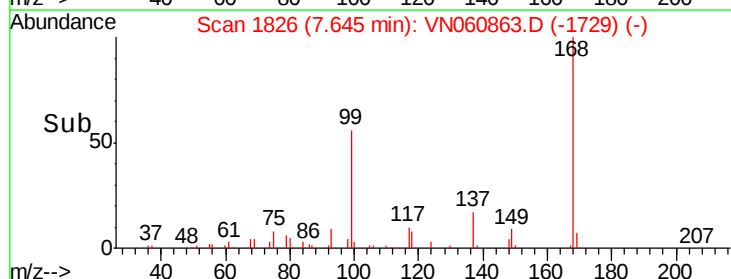
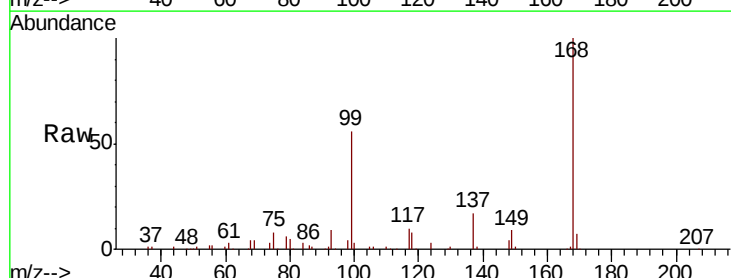
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OIL-WATER-SEPARATOR-1

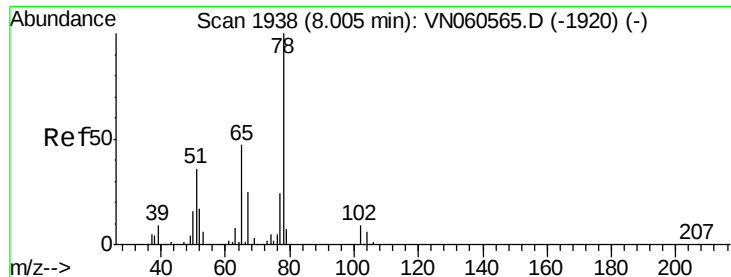
Tot Ion: 42 Resp: 508  
Ion Ratio Lower Upper  
42 100  
72 0.0 33.2 49.8#  
71 0.0 31.1 46.7#



#31  
Cyclohexane  
Concen: 0.950 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. 0.01 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

Tgt Ion: 56 Resp: 4216  
Ion Ratio Lower Upper  
56 100  
69 173.4 26.6 40.0#  
84 149.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.242 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

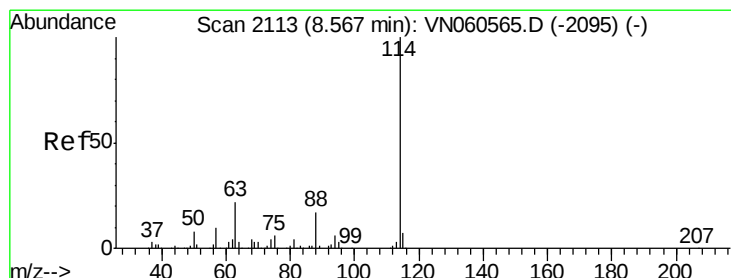
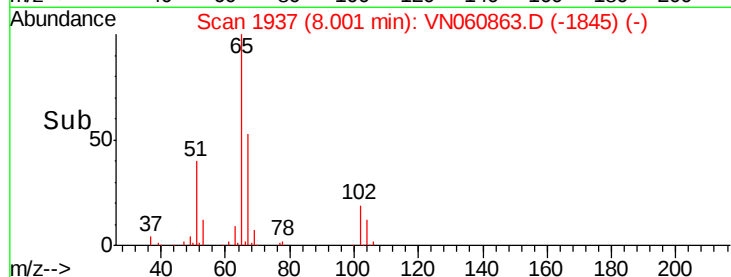
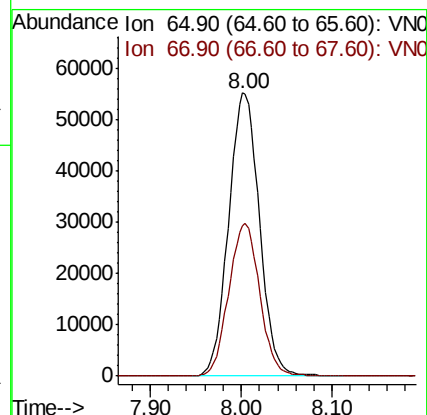
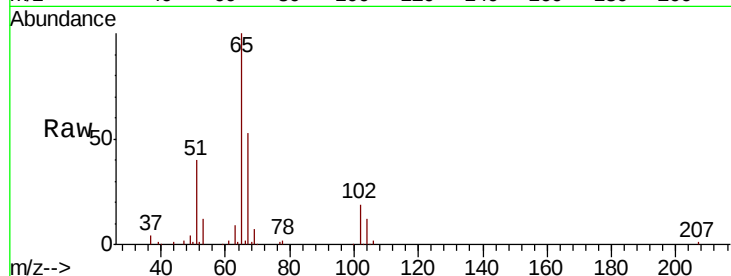
OIL-WATER-SEPARATOR-1

Tot Ion: 65 Resp: 130238

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

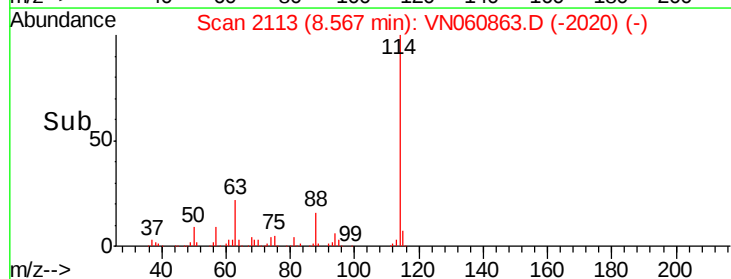
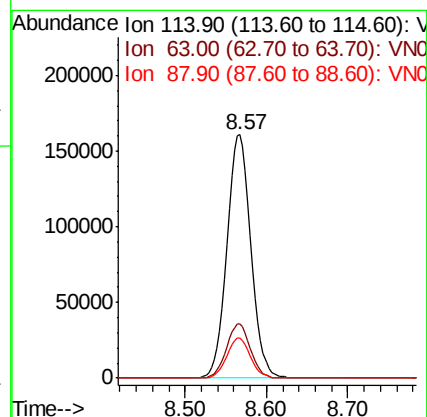
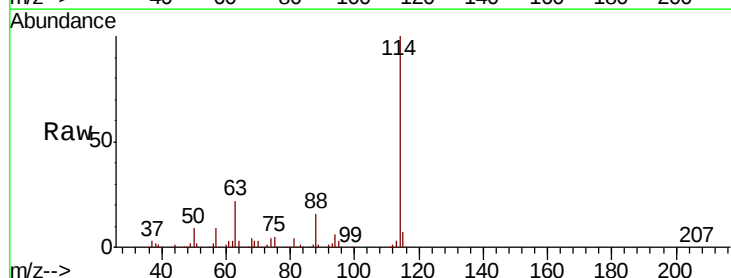
Tgt Ion: 114 Resp: 334425

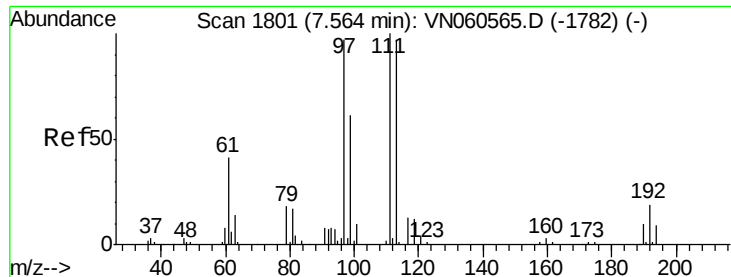
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 16.2 0.0 33.0

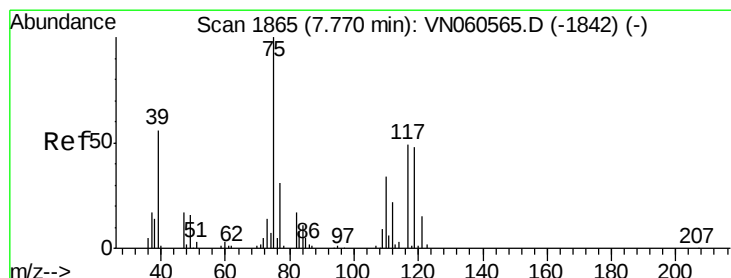
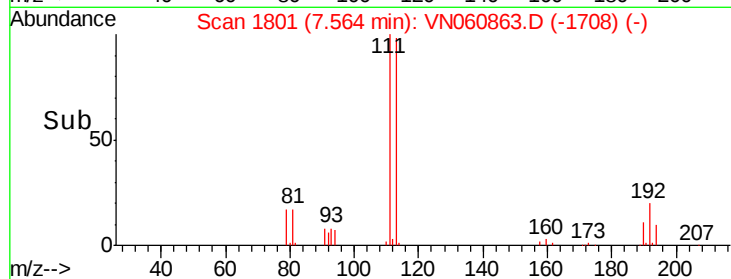
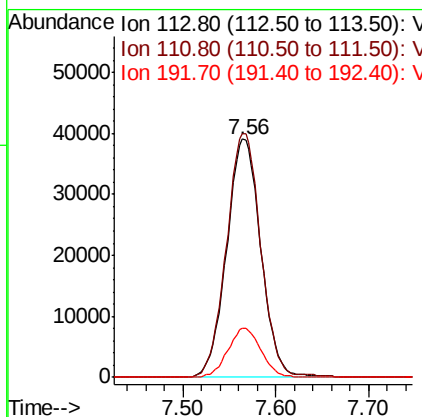
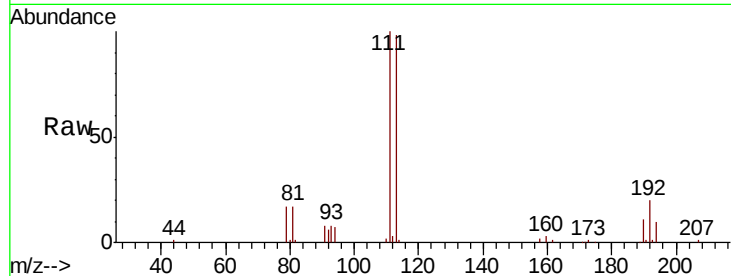




#35  
 Dibromofluoromethane  
 Concen: 49.346 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060863.D  
 Acq: 6 Apr 2020 19:44

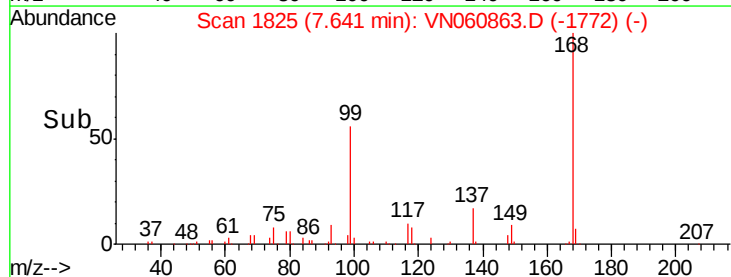
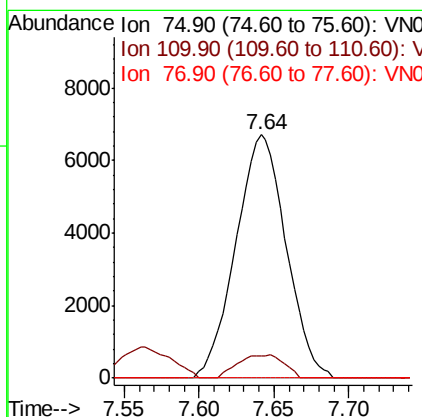
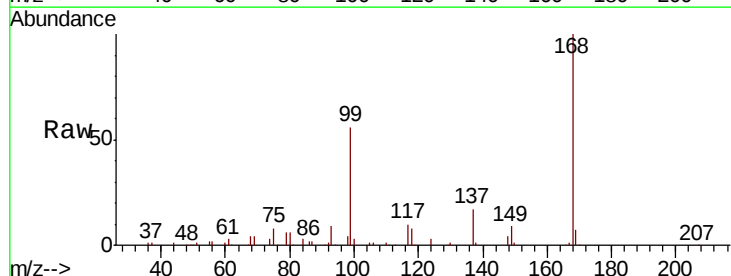
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OIL-WATER-SEPARATOR-1

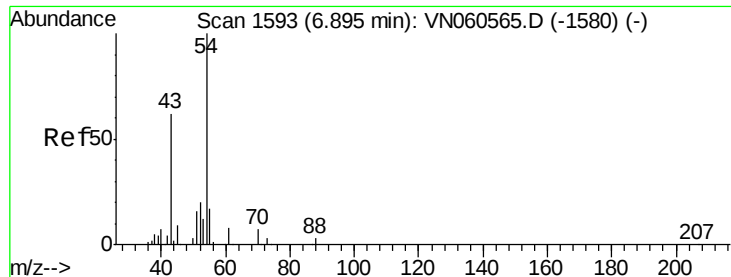
Tot Ion:113 Resp: 99785  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.9 124.3  
 192 19.9 15.8 23.8



#36  
 1,1-Dichloropropene  
 Concen: 4.833 ug/l  
 RT: 7.64 min Scan# 1825  
 Delta R.T. -0.13 min  
 Lab File: VN060863.D  
 Acq: 6 Apr 2020 19:44

Tgt Ion: 75 Resp: 15651  
 Ion Ratio Lower Upper  
 75 100  
 110 8.8 16.9 50.6#  
 77 0.0 24.6 36.8#

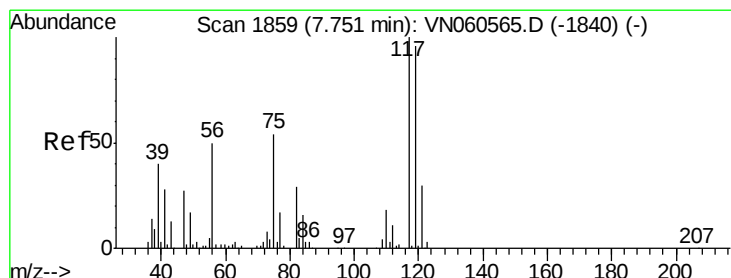
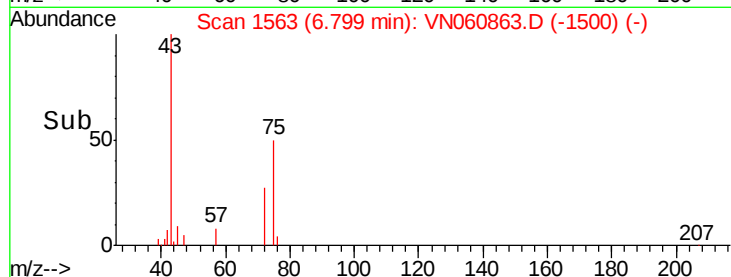
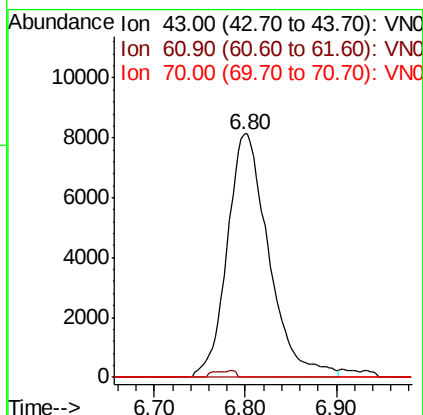
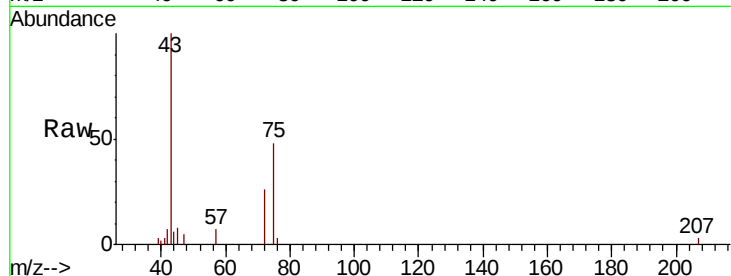




#37  
Ethyl Acetate  
Concen: 7.388 ug/l  
RT: 6.80 min Scan# 1563  
Delta R.T. -0.10 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

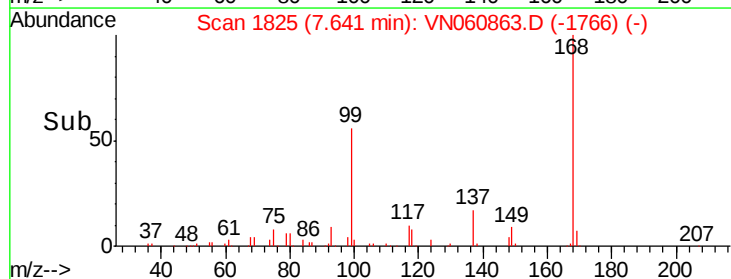
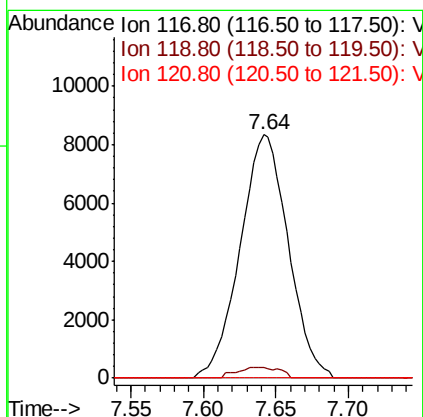
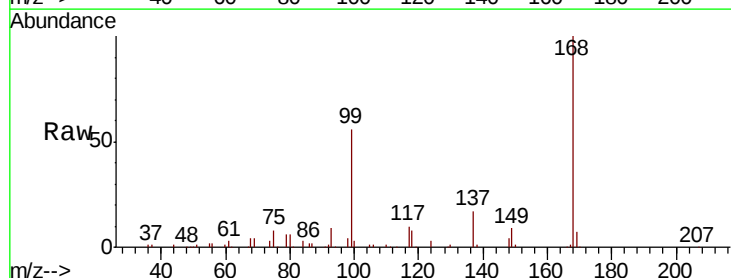
Instrument :  
MSVOA\_N  
ClientSampleId :  
OIL-WATER-SEPARATOR-1

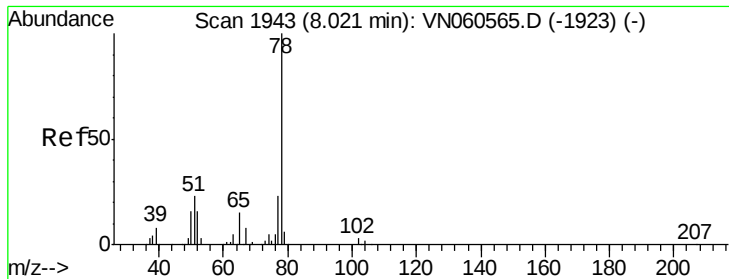
Tot Ion: 43 Resp: 25851  
Ion Ratio Lower Upper  
43 100  
61 0.6 10.6 15.8#  
70 0.0 7.9 11.9#



#38  
Carbon Tetrachloride  
Concen: 6.623 ug/l  
RT: 7.64 min Scan# 1825  
Delta R.T. -0.11 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

Tgt Ion: 117 Resp: 19223  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.2 114.2#  
121 0.0 23.7 35.5#





#40

Benzene

Concen: 0.536 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

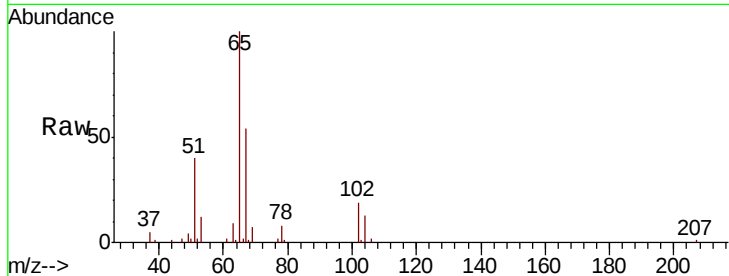
OIL-WATER-SEPARATOR-1

Tot Ion: 78 Resp: 5239

Ion Ratio Lower Upper

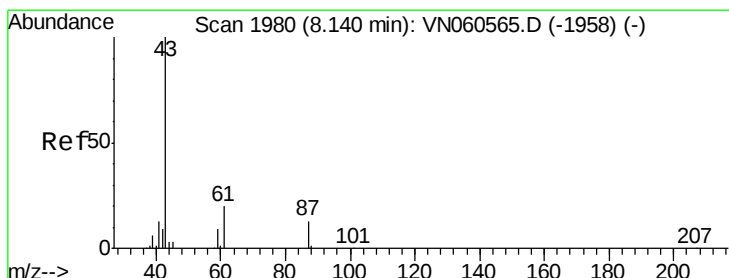
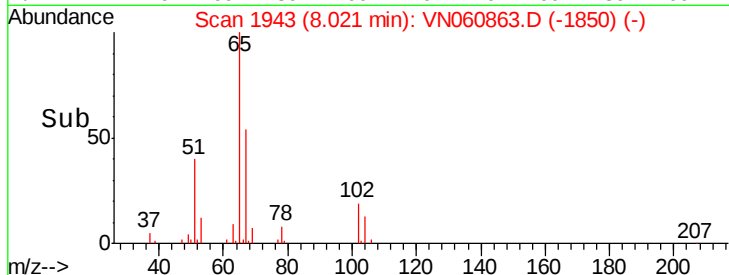
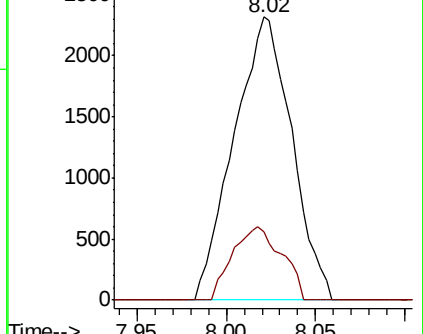
78 100

77 24.0 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#43

Isopropyl Acetate

Concen: 9.164 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

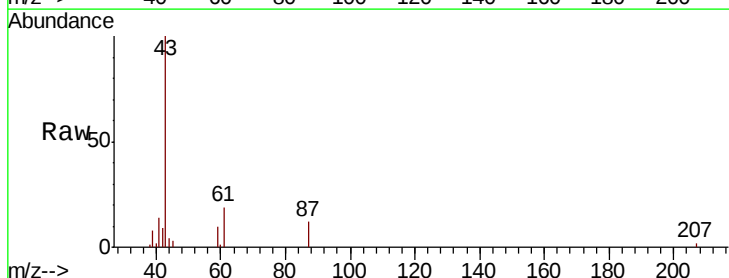
Tgt Ion: 43 Resp: 52880

Ion Ratio Lower Upper

43 100

61 19.2 20.7 31.1#

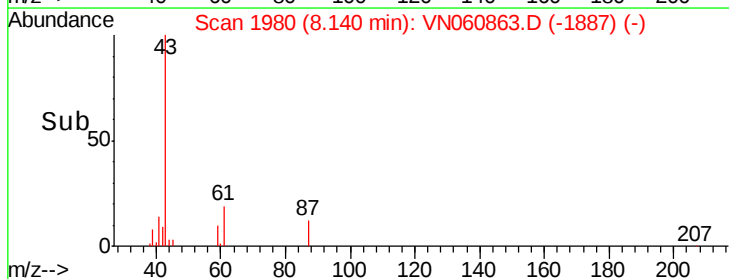
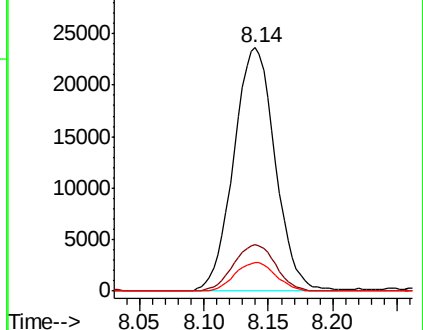
87 11.5 9.8 14.8

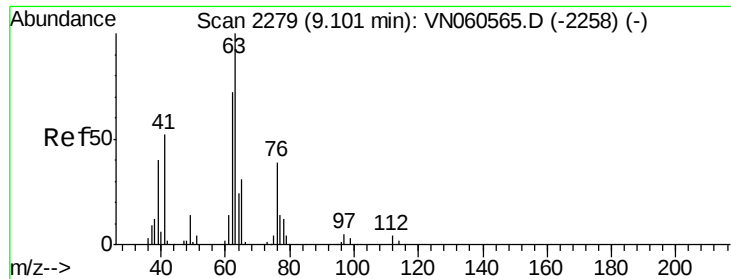


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.400 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

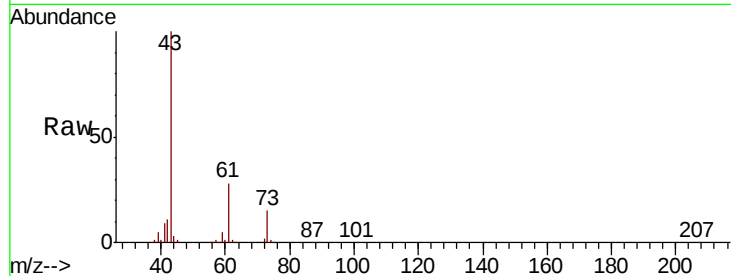
OIL-WATER-SEPARATOR-1

Tot Ion: 63 Resp: 1031

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

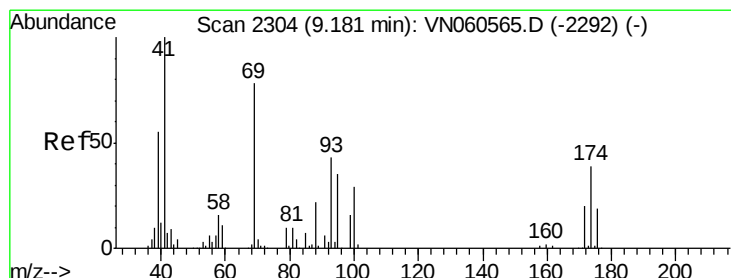
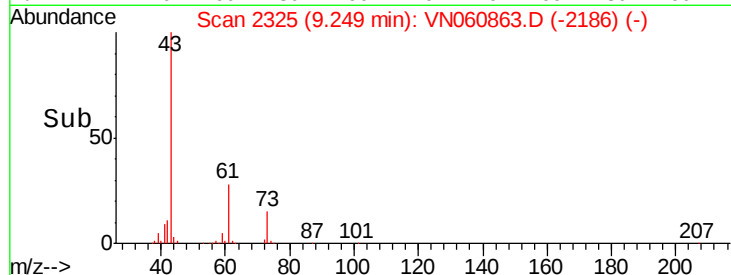
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 3.204 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.03 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

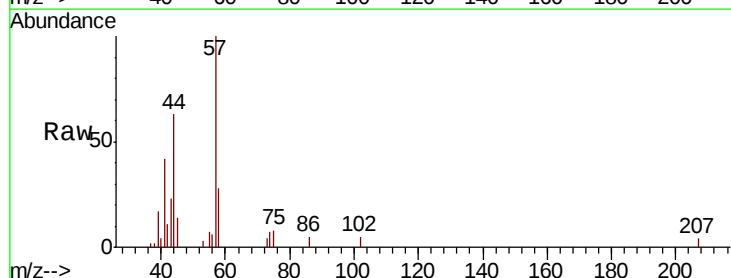
Tgt Ion: 41 Resp: 8232

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 40.9 44.0 66.0#



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

50000

40000

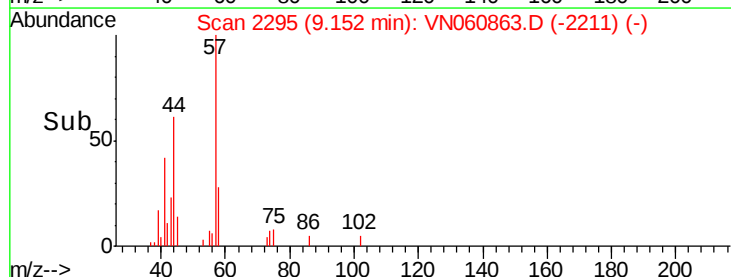
30000

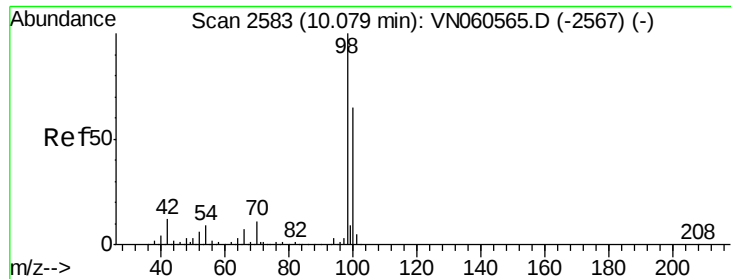
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 50.186 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

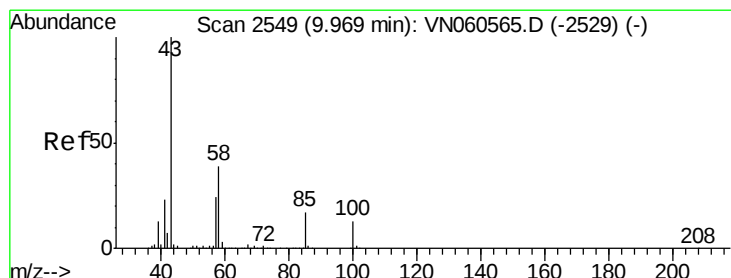
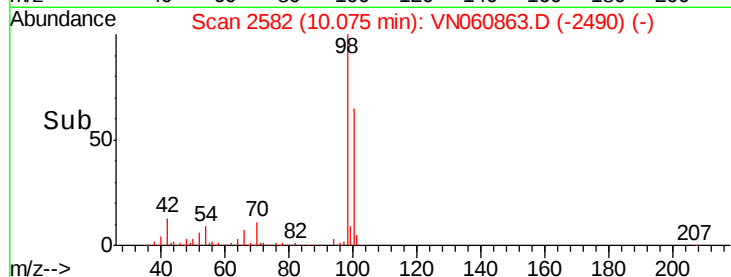
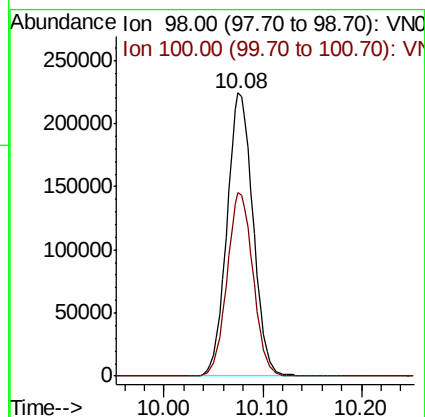
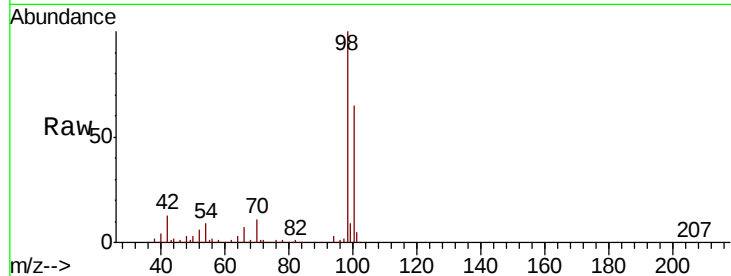
OIL-WATER-SEPARATOR-1

Tot Ion: 98 Resp: 414520

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 3.149 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060863.D

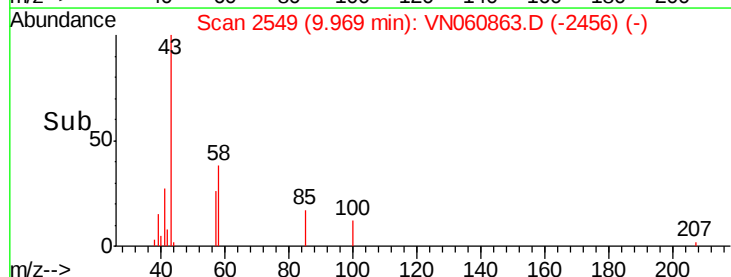
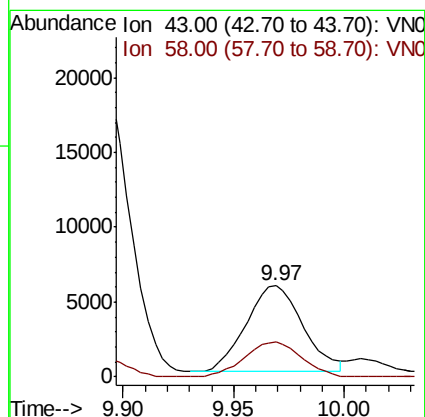
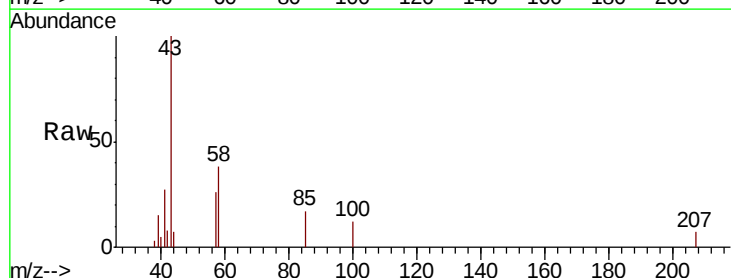
Acq: 6 Apr 2020 19:44

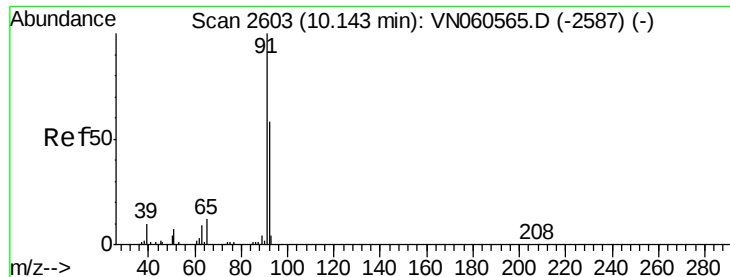
Tgt Ion: 43 Resp: 10339

Ion Ratio Lower Upper

43 100

58 40.4 30.8 46.2





#52

Toluene

Concen: 0.833 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

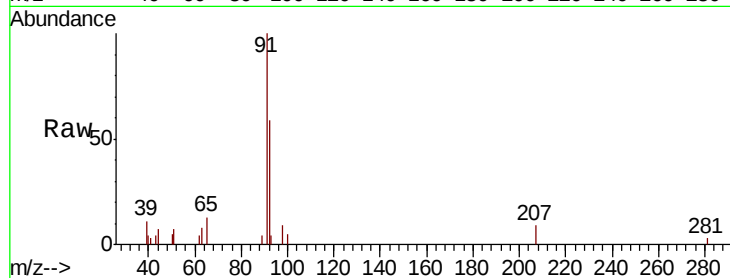
OIL-WATER-SEPARATOR-1

Tot Ion: 92 Resp: 4920

Ion Ratio Lower Upper

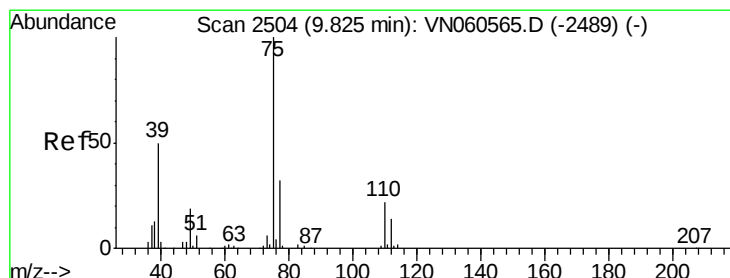
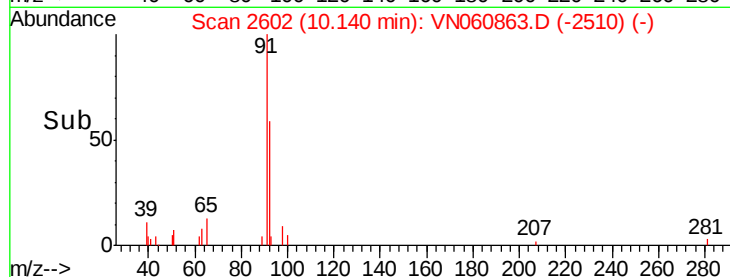
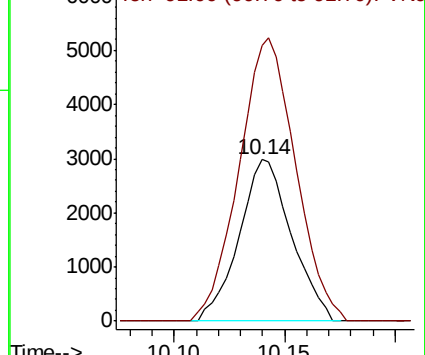
92 100

91 189.2 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060863.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060863.D (-2510) (-)



#54

cis-1,3-Dichloropropene

Concen: 4.654 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

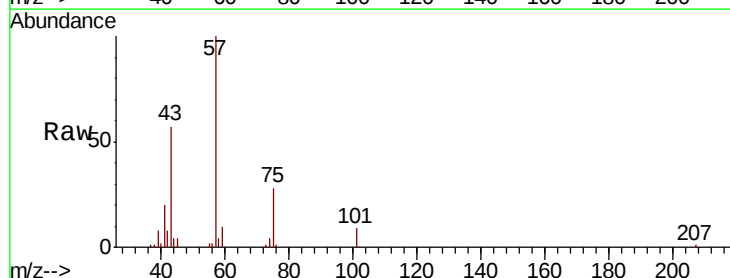
Tgt Ion: 75 Resp: 19005

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

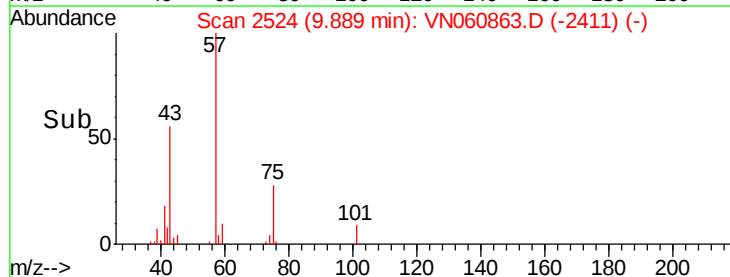
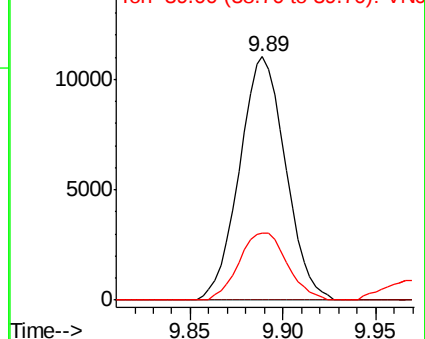
39 27.7 40.2 60.4#

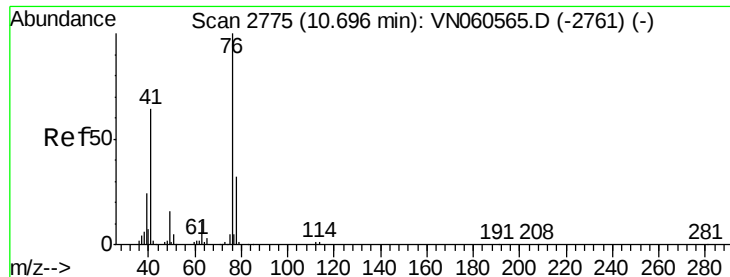


Abundance Ion 74.90 (74.60 to 75.60): VN060863.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060863.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060863.D (-2411) (-)





#57

1,3-Dichloropropane

Concen: 0.705 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

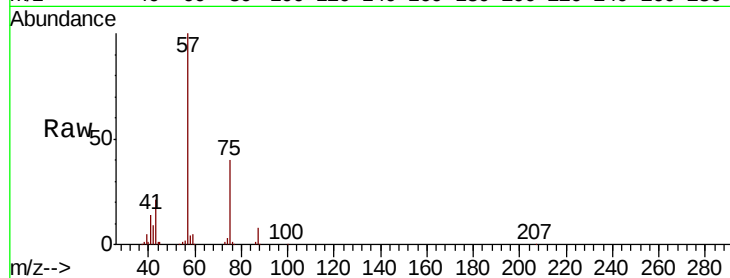
OIL-WATER-SEPARATOR-1

Tot Ion: 76 Resp: 2777

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.75

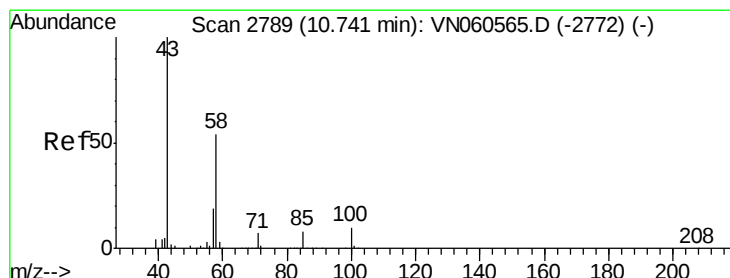
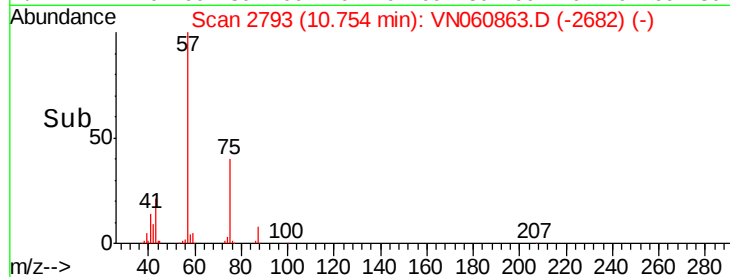
1500

1000

500

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 19.935 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060863.D

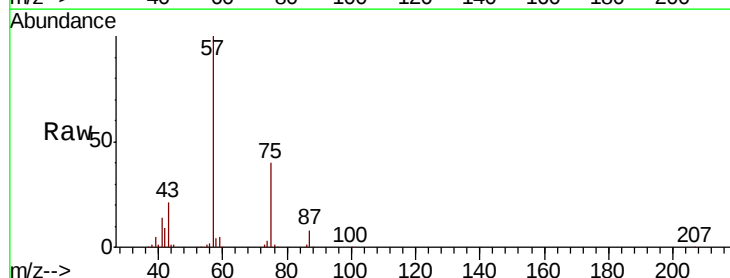
Acq: 6 Apr 2020 19:44

Tgt Ion: 43 Resp: 47155

Ion Ratio Lower Upper

43 100

58 22.5 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

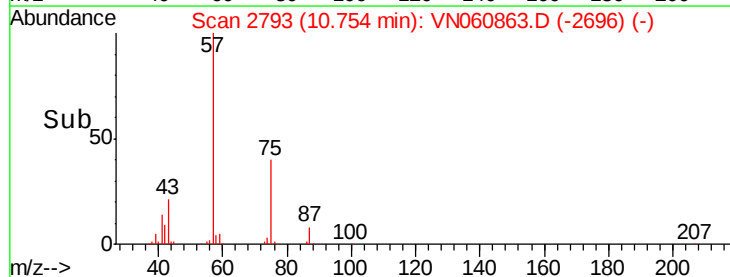
30000

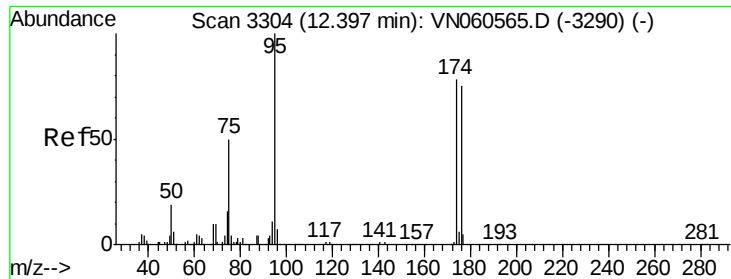
20000

10000

0

Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 51.650 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

OIL-WATER-SEPARATOR-1

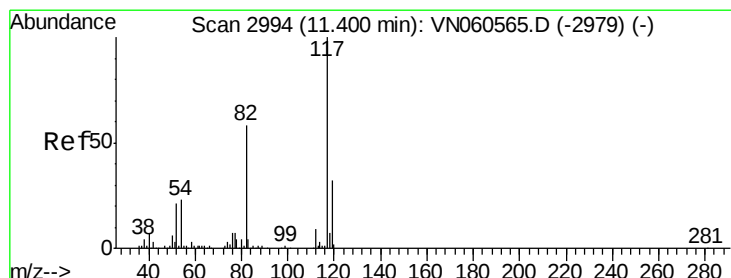
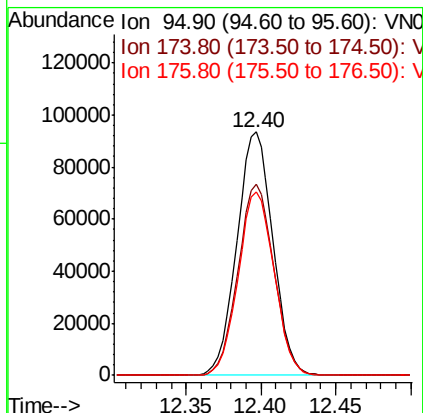
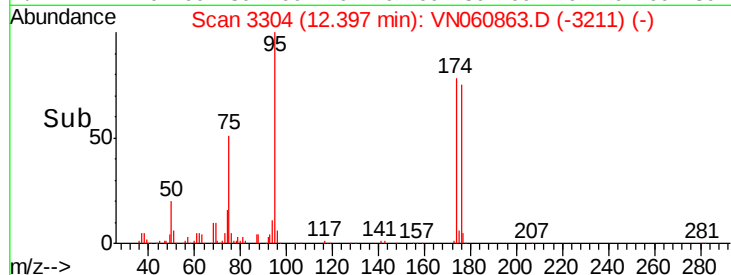
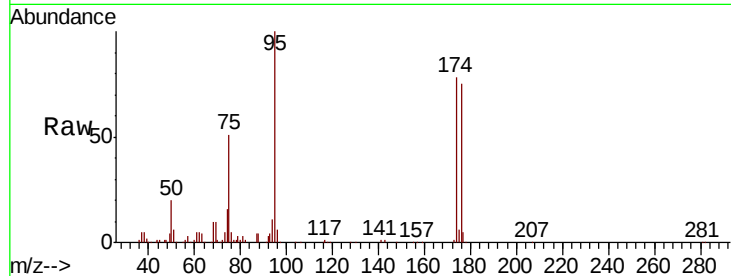
Tot Ion: 95 Resp: 156348

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.6

176 75.4 0.0 150.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

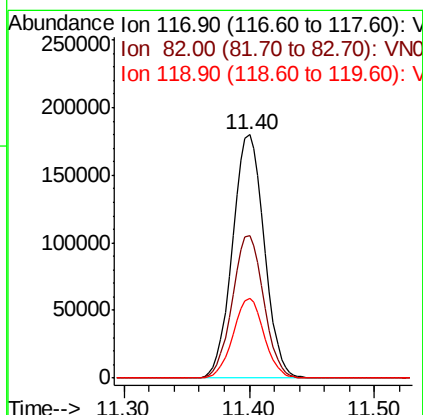
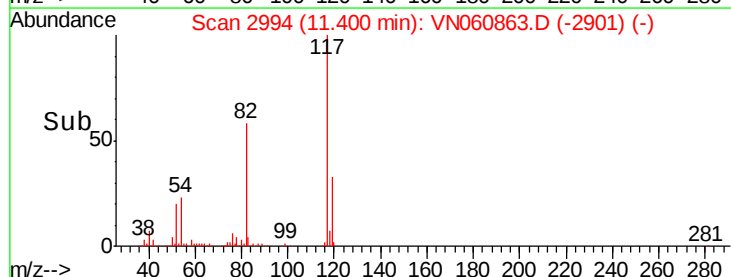
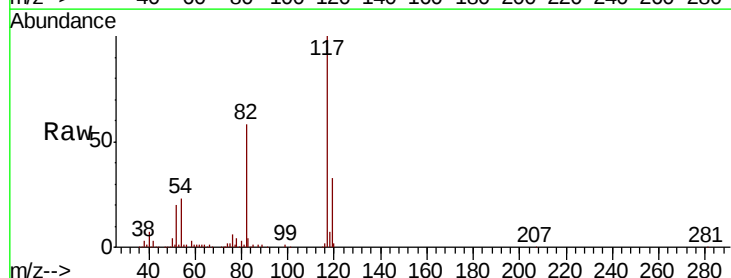
Tgt Ion: 117 Resp: 315935

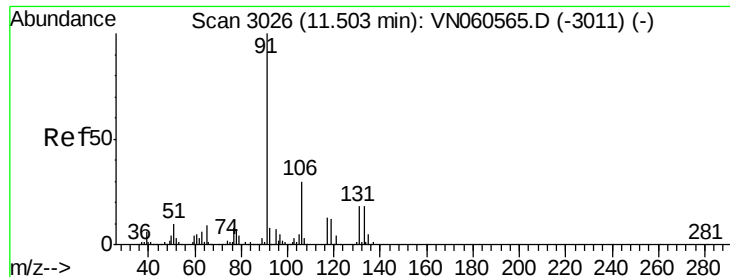
Ion Ratio Lower Upper

117 100

82 58.3 46.7 70.1

119 32.6 25.5 38.3





#67

Ethyl Benzene

Concen: 1.042 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

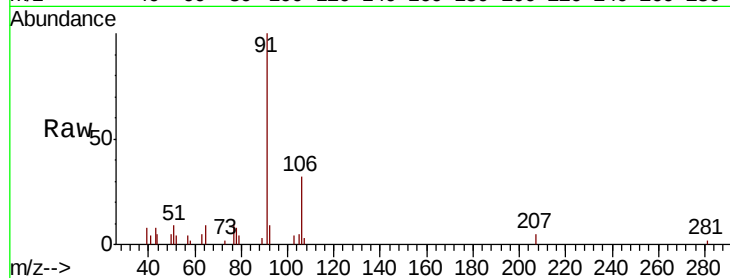
OIL-WATER-SEPARATOR-1

Tot Ion: 91 Resp: 12135

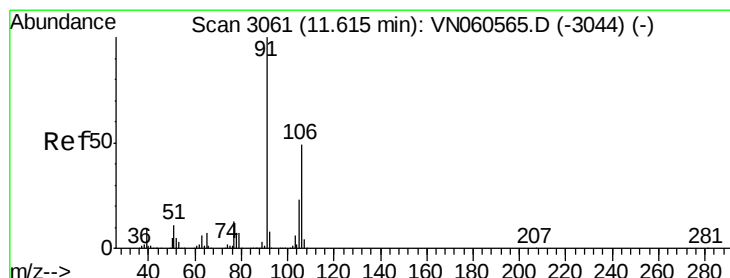
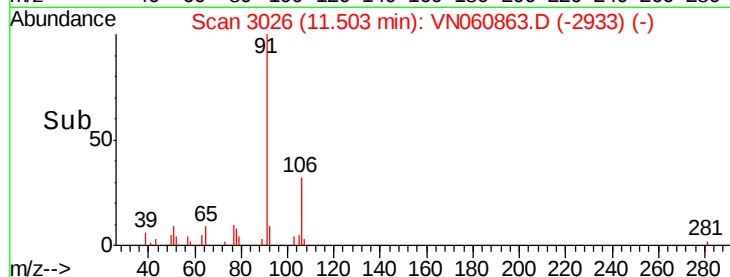
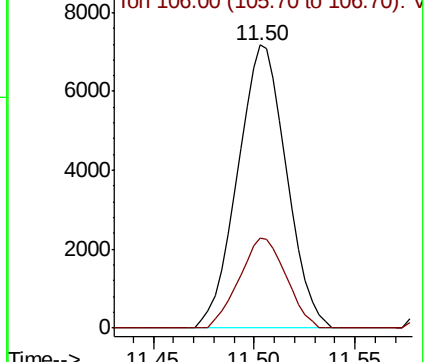
Ion Ratio Lower Upper

91 100

106 32.0 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060863.D (-2933) (-)



#68

m/p-Xylenes

Concen: 3.449 ug/l

RT: 11.61 min Scan# 3059

Delta R.T. -0.01 min

Lab File: VN060863.D

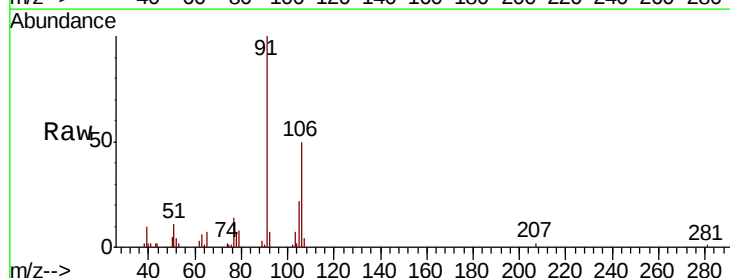
Acq: 6 Apr 2020 19:44

Tgt Ion: 106 Resp: 14929

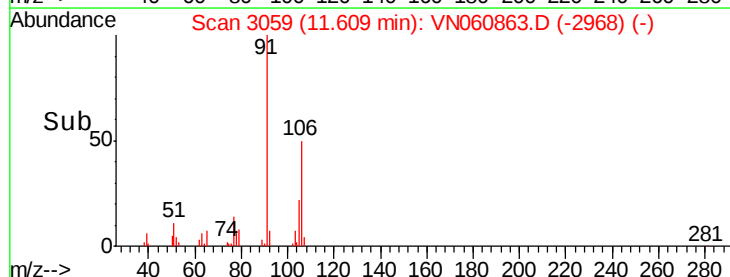
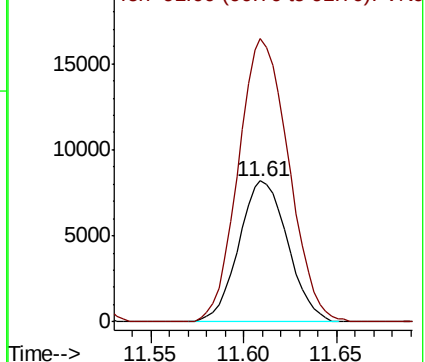
Ion Ratio Lower Upper

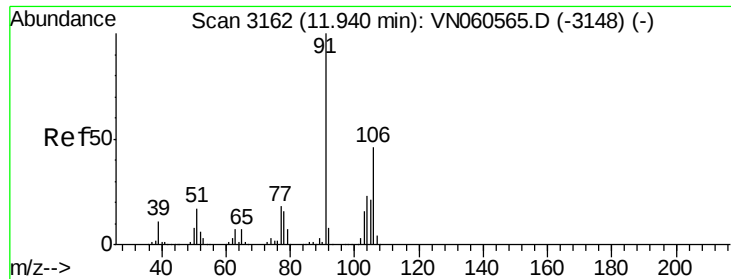
106 100

91 207.1 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060863.D (-2968) (-)

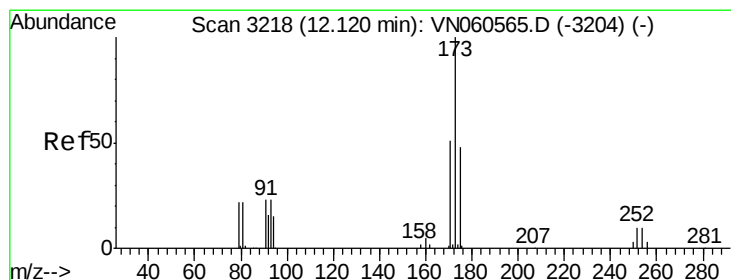
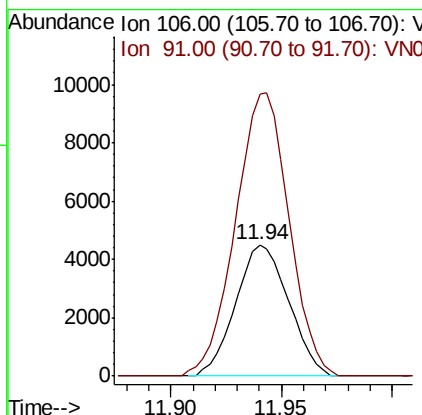
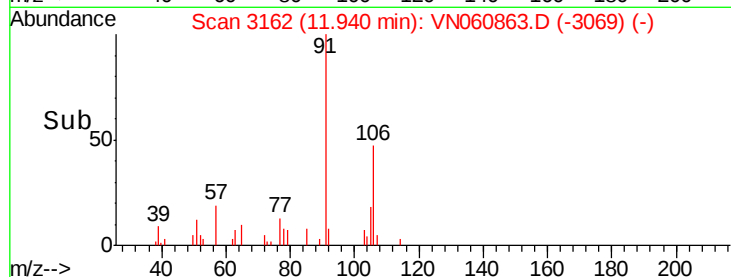
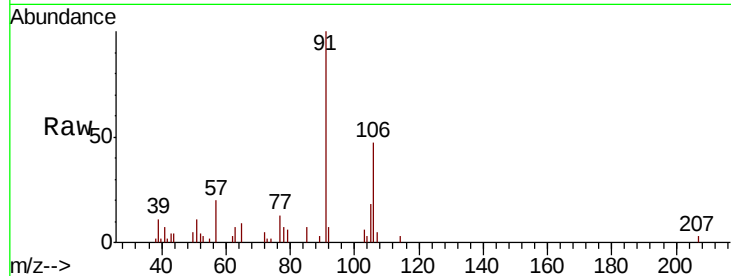




#69  
o-Xylene  
Concen: 1.815 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. -0.00 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

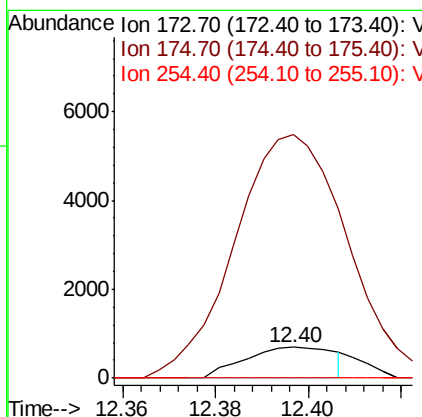
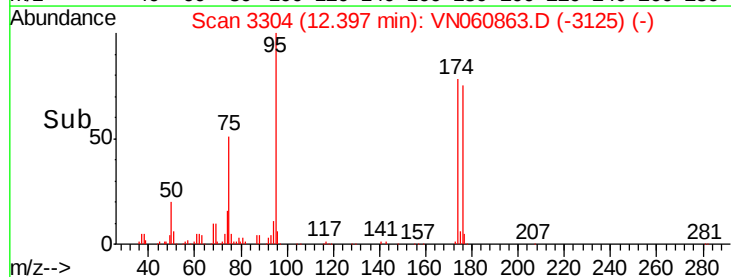
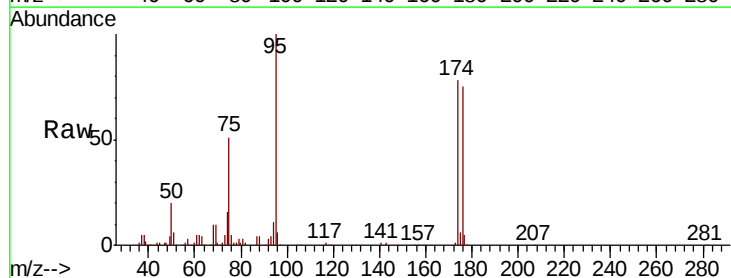
Instrument :  
MSVOA\_N  
ClientSampleId :  
OIL-WATER-SEPARATOR-1

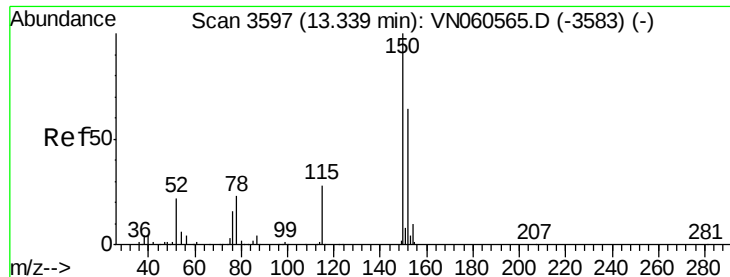
Tot Ion:106 Resp: 7501  
Ion Ratio Lower Upper  
106 100  
91 217.5 109.5 328.4



#71  
Bromoform  
Concen: 2.165 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.28 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

Tgt Ion:173 Resp: 945  
Ion Ratio Lower Upper  
173 100  
175 837.2 24.1 72.4#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

OIL-WATER-SEPARATOR-1

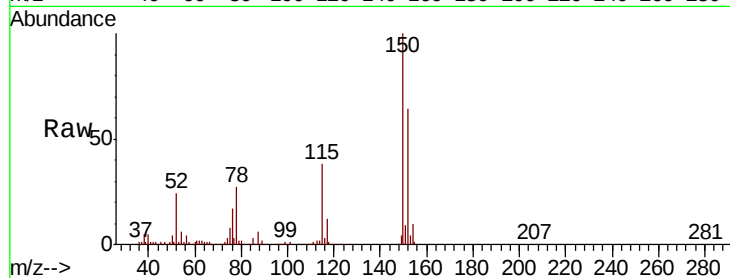
Tot Ion:152 Resp: 149642

Ion Ratio Lower Upper

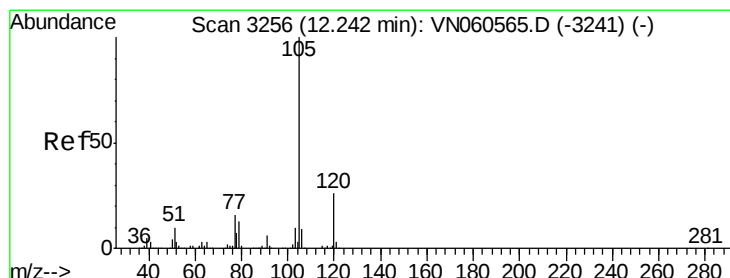
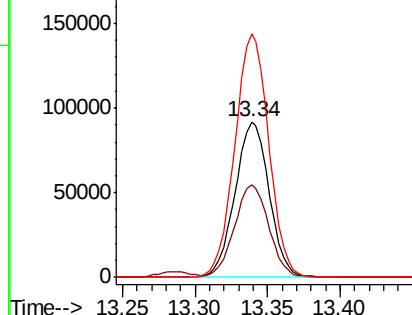
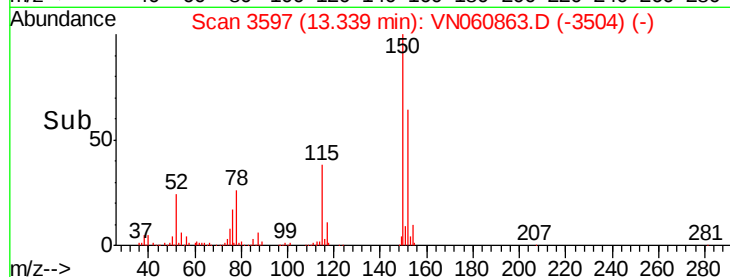
152 100

115 60.1 30.2 90.6

150 155.8 0.0 350.2



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



#73

Isopropylbenzene

Concen: 0.213 ug/l

RT: 12.24 min Scan# 3255

Delta R.T. -0.00 min

Lab File: VN060863.D

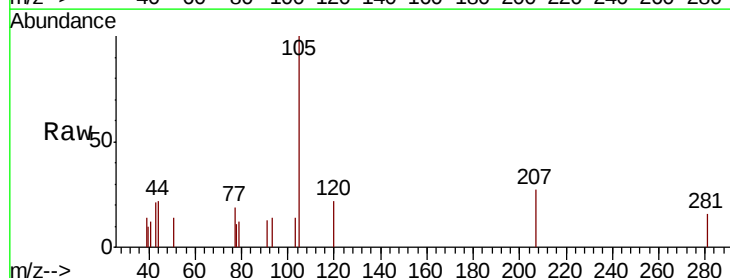
Acq: 6 Apr 2020 19:44

Tgt Ion:105 Resp: 2387

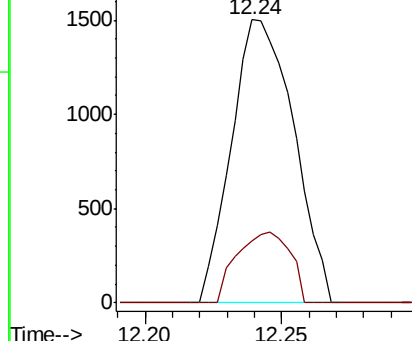
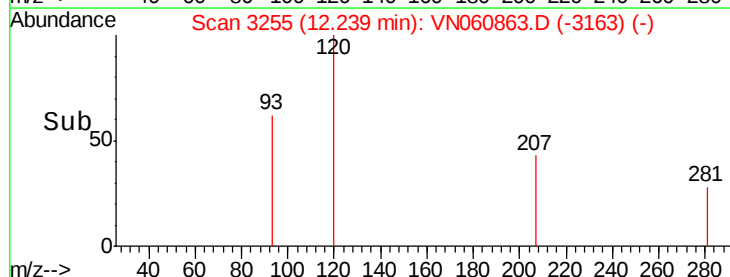
Ion Ratio Lower Upper

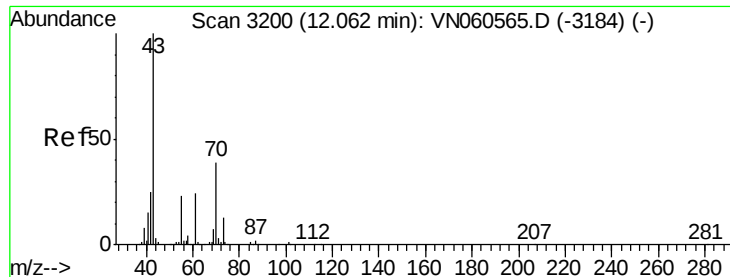
105 100

120 21.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.044 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

OIL-WATER-SEPARATOR-1

Tot Ion: 43 Resp: 5417

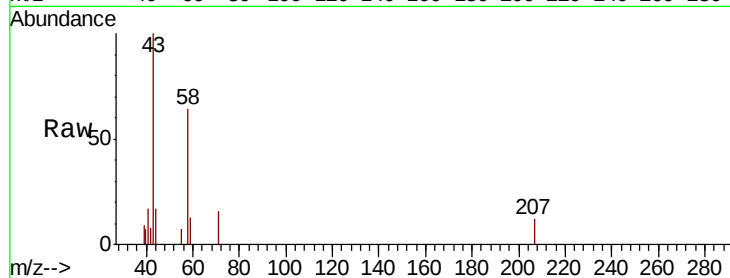
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

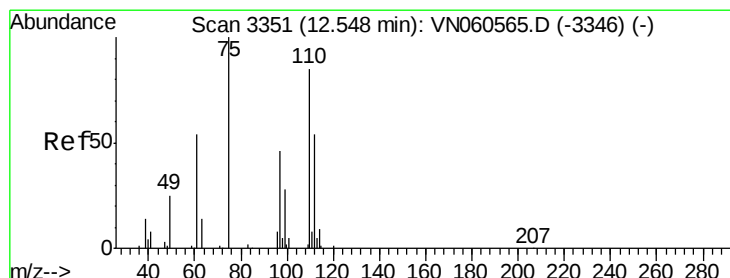
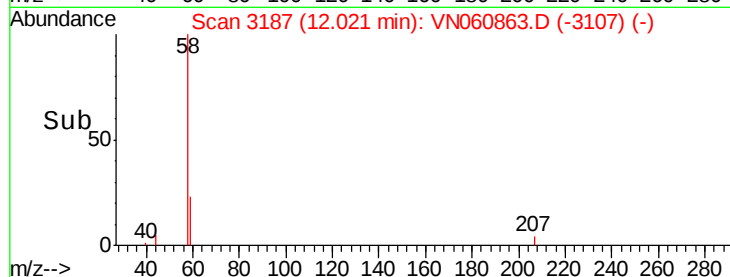
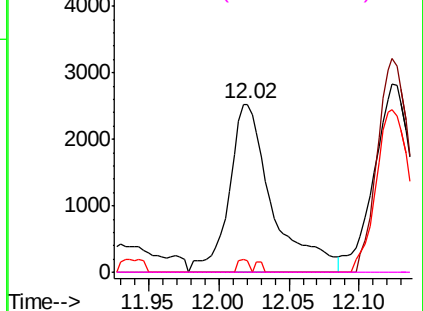


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 24.486 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060863.D

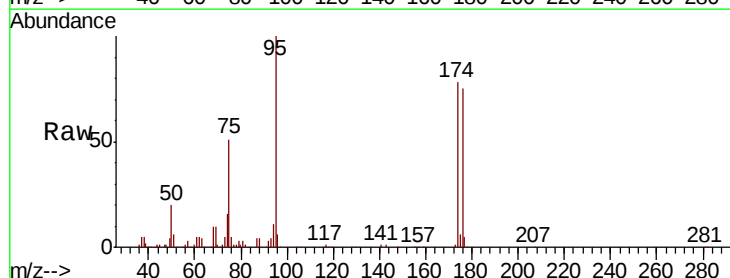
Acq: 6 Apr 2020 19:44

Tgt Ion: 75 Resp: 79065

Ion Ratio Lower Upper

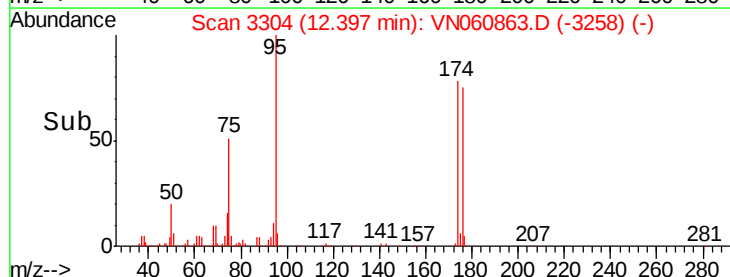
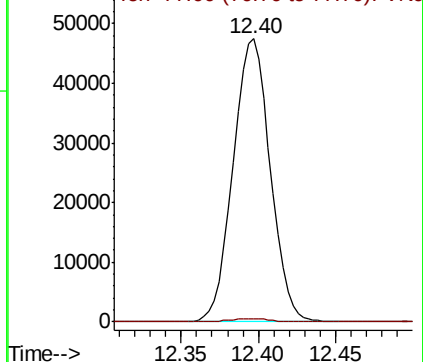
75 100

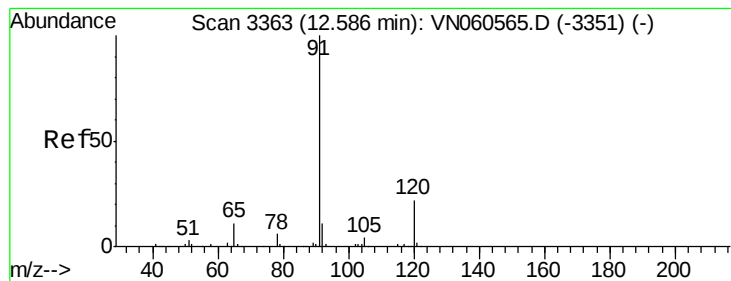
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.346 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

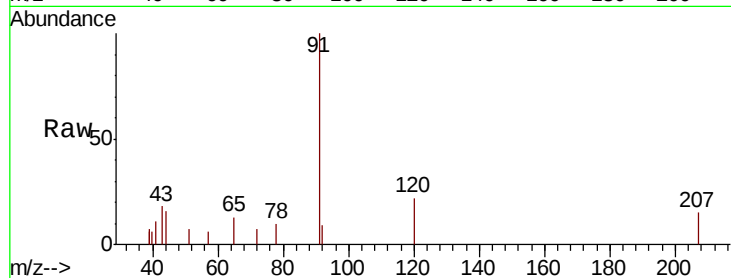
OIL-WATER-SEPARATOR-1

Tot Ion: 91 Resp: 4597

Ion Ratio Lower Upper

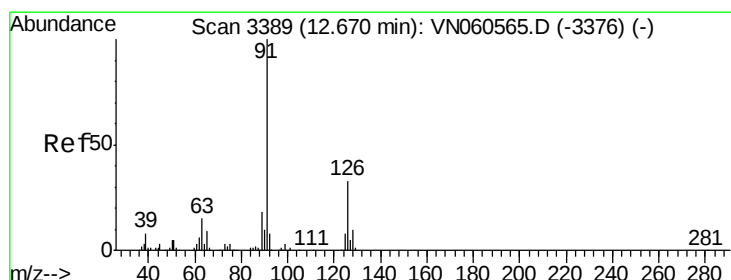
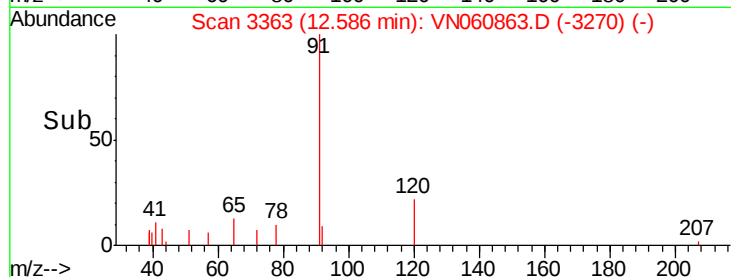
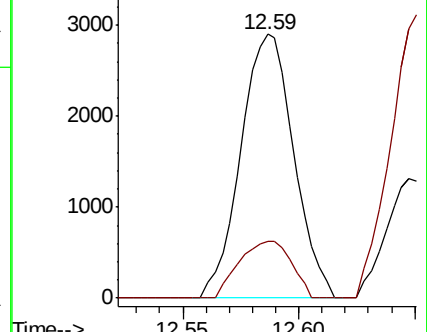
91 100

120 21.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN060863.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN060863.D (-3351) (-)



#79

2-Chlorotoluene

Concen: 0.326 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.02 min

Lab File: VN060863.D

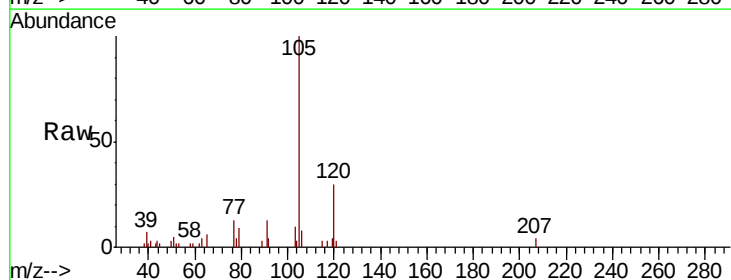
Acq: 6 Apr 2020 19:44

Tgt Ion: 91 Resp: 2585

Ion Ratio Lower Upper

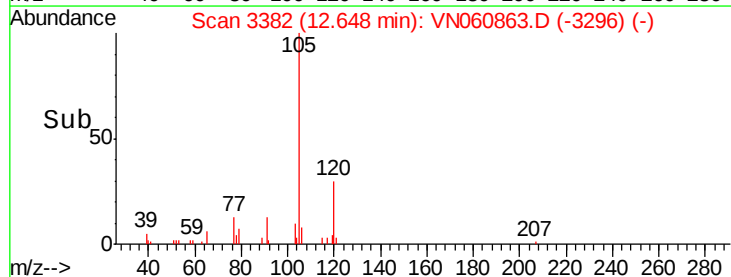
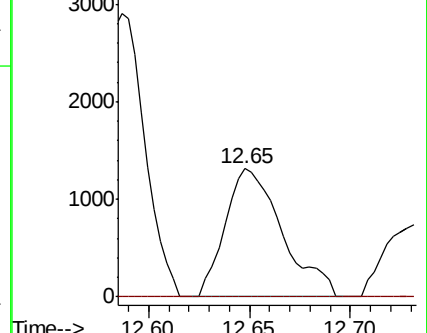
91 100

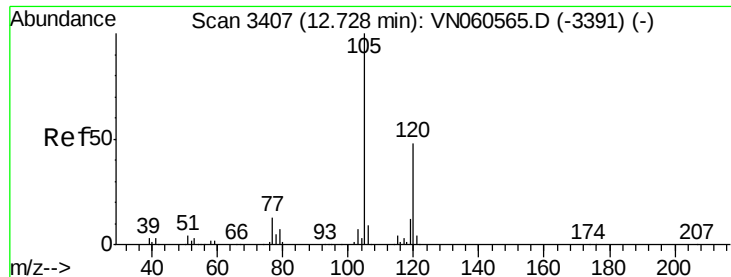
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN060863.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060863.D (-3376) (-)





#80

1,3,5-Trimethylbenzene

Concen: 1.128 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

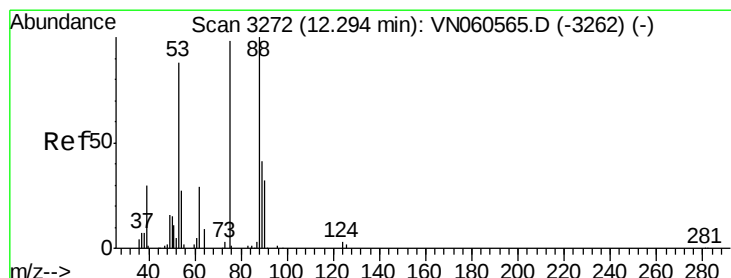
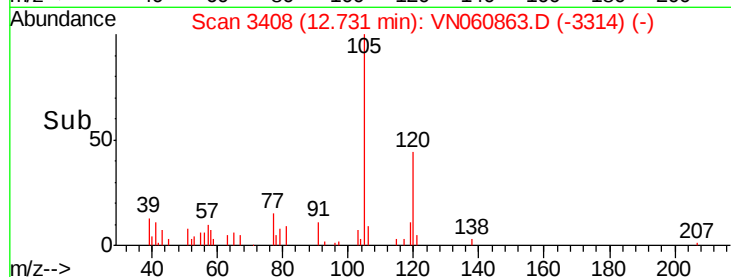
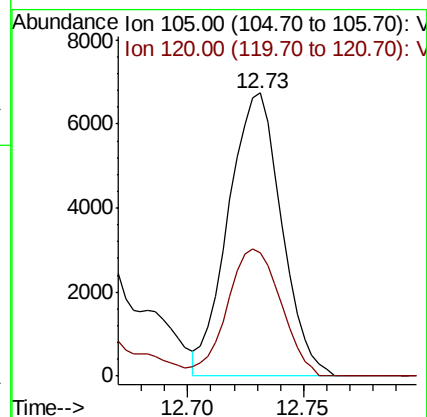
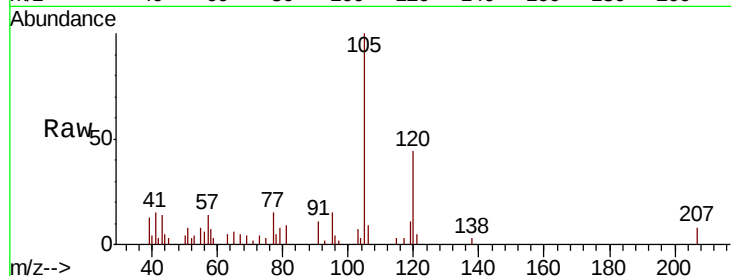
OIL-WATER-SEPARATOR-1

Tot Ion:105 Resp: 10754

Ion Ratio Lower Upper

105 100

120 45.4 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 62.888 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

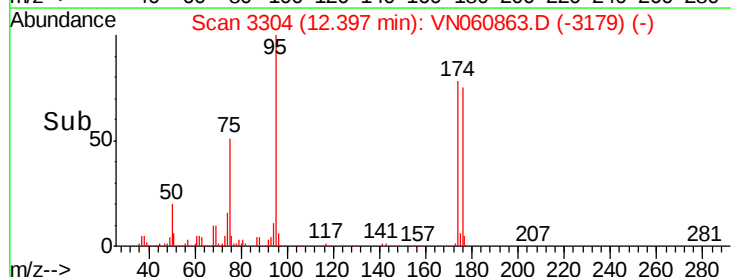
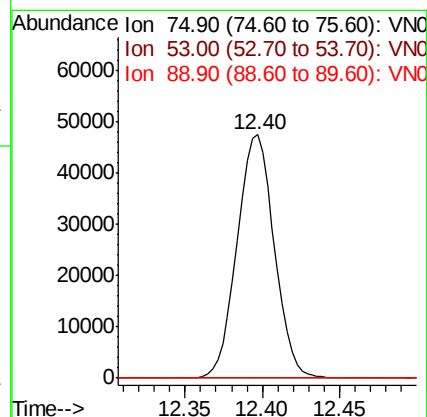
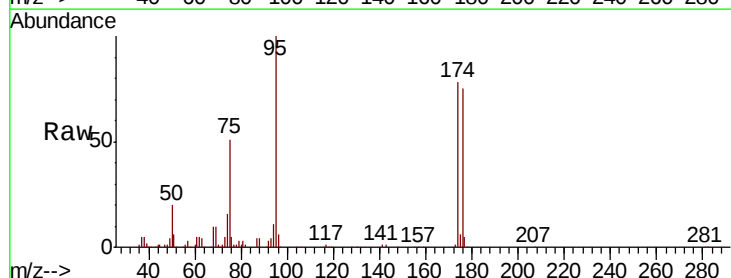
Tgt Ion: 75 Resp: 79065

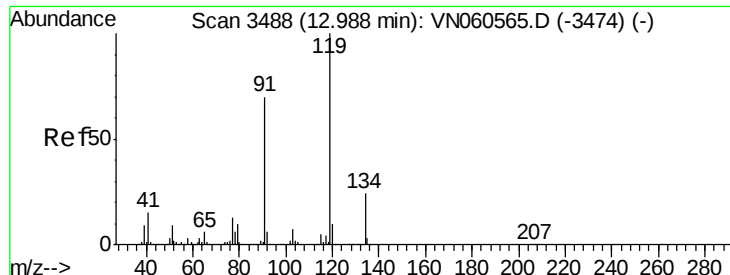
Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

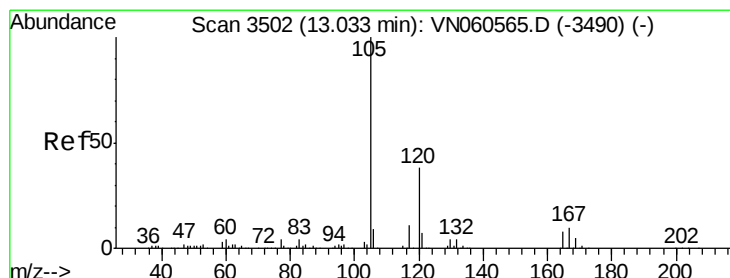
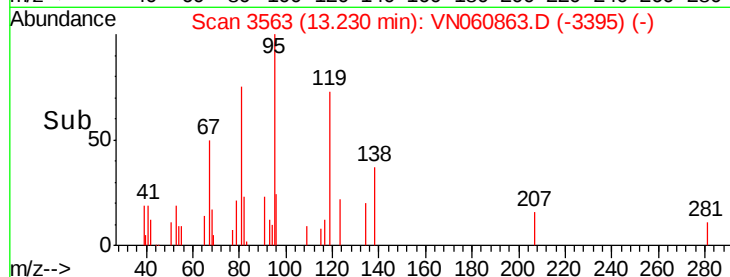
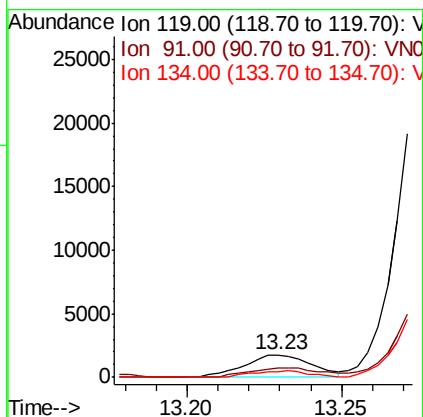
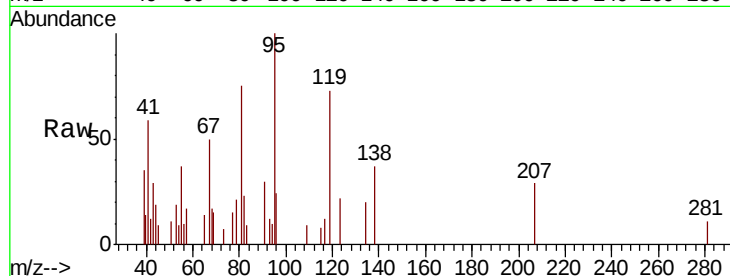




#83  
tert-Butylbenzene  
Concen: 0.341 ug/l  
RT: 13.23 min Scan# 3563  
Delta R.T. 0.24 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

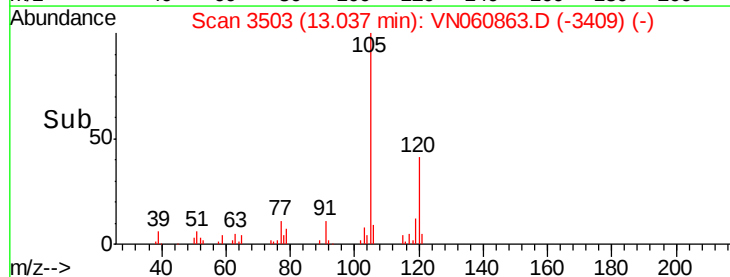
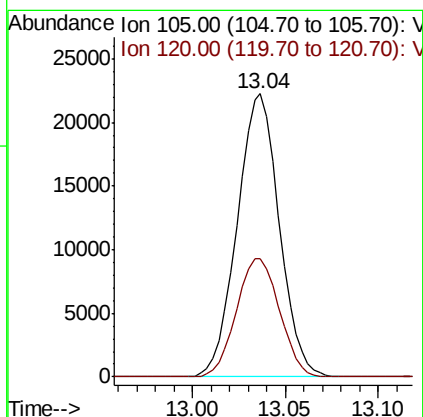
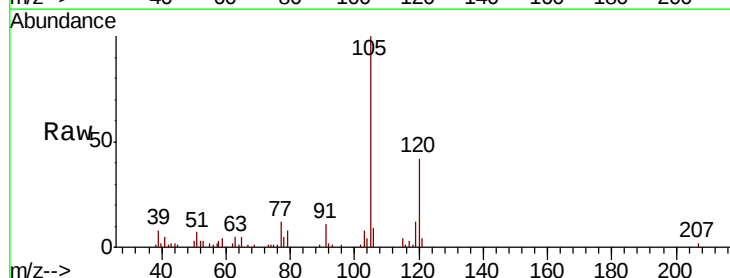
Instrument :  
MSVOA\_N  
ClientSampleId :  
OIL-WATER-SEPARATOR-1

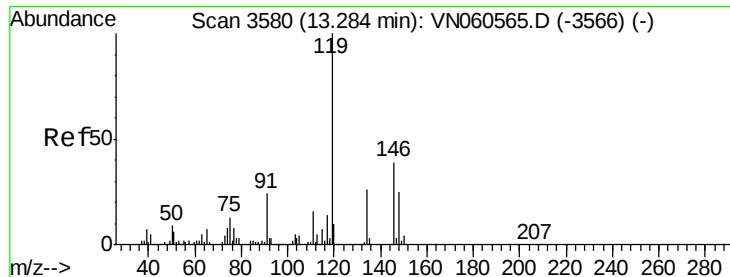
Tot Ion:119 Resp: 2692  
Ion Ratio Lower Upper  
119 100  
91 43.1 34.0 101.8  
134 23.1 12.7 38.0



#84  
1,2,4-Trimethylbenzene  
Concen: 3.709 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. 0.00 min  
Lab File: VN060863.D  
Acq: 6 Apr 2020 19:44

Tgt Ion:105 Resp: 34968  
Ion Ratio Lower Upper  
105 100  
120 42.9 22.1 66.5

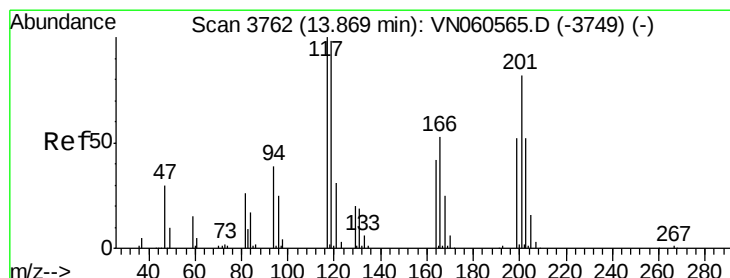
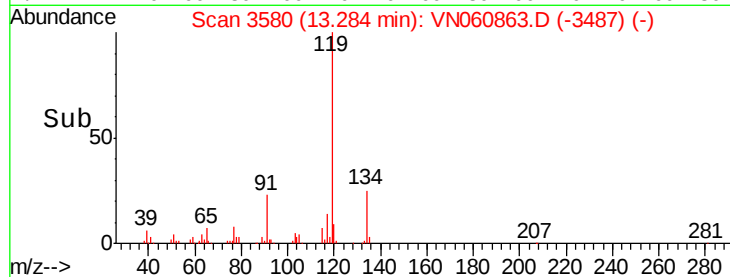
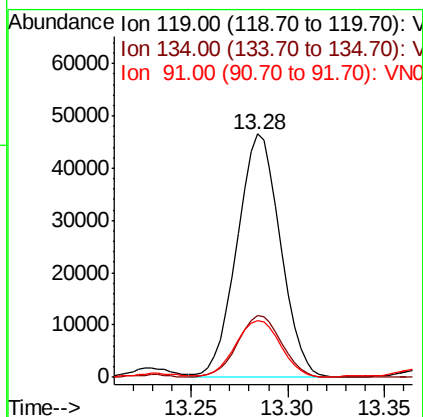
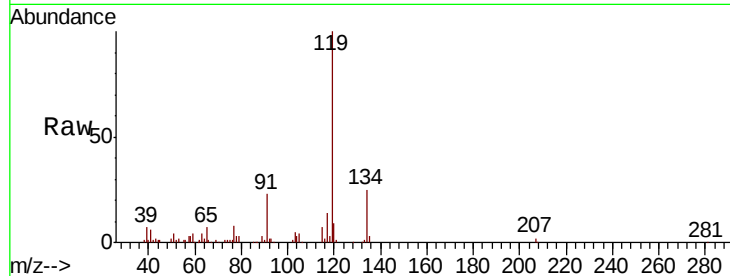




#86  
 p-Isopropyltoluene  
 Concen: 7.612 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN060863.D  
 Acq: 6 Apr 2020 19:44

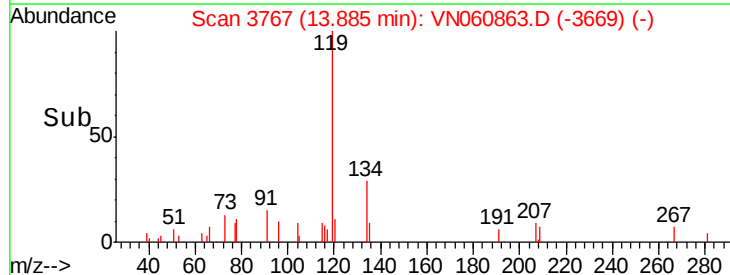
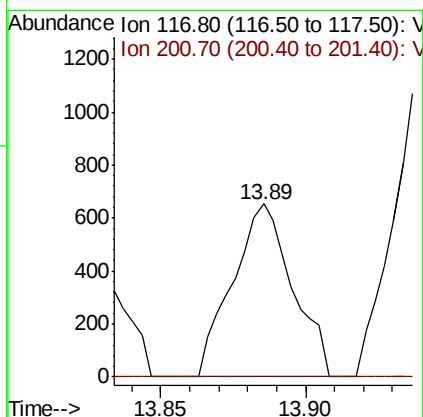
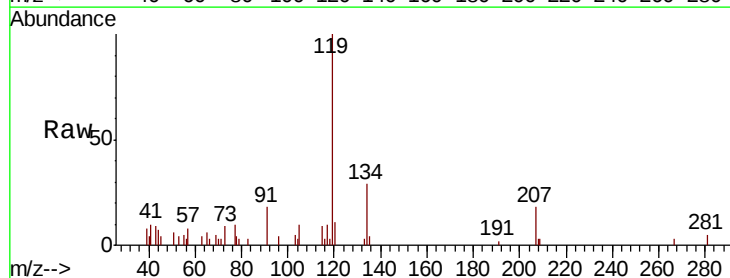
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OIL-WATER-SEPARATOR-1

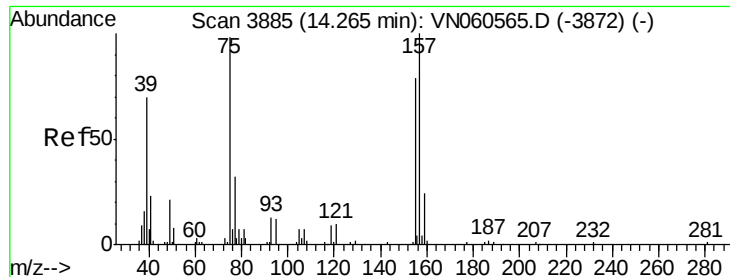
Tot Ion:119 Resp: 72716  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 13.0 39.0  
 91 24.6 12.0 36.0



#90  
 Hexachloroethane  
 Concen: 0.676 ug/l  
 RT: 13.89 min Scan# 3767  
 Delta R.T. 0.02 min  
 Lab File: VN060863.D  
 Acq: 6 Apr 2020 19:44

Tgt Ion:117 Resp: 939  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 40.8 122.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

Instrument :

MSVOA\_N

ClientSampleId :

OIL-WATER-SEPARATOR-1

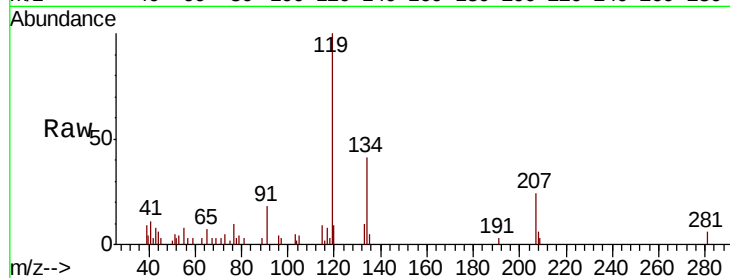
Tot Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

155 0.0 40.7 122.1#

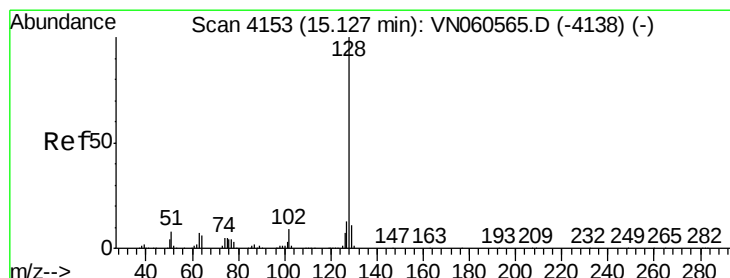
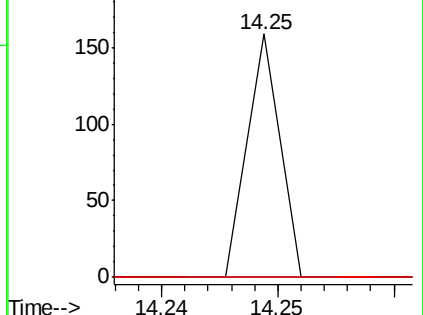
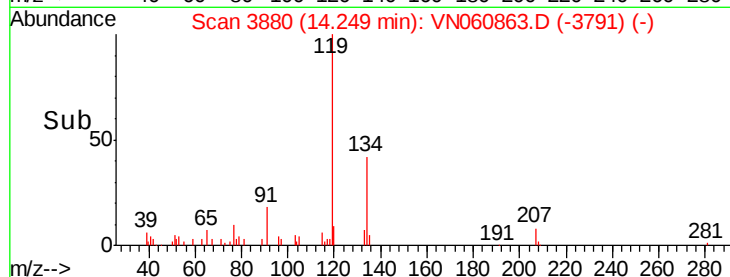
157 0.0 51.5 154.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060863.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN060863.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN060863.D (-3872) (-)



#95

Naphthalene

Concen: 2.056 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060863.D

Acq: 6 Apr 2020 19:44

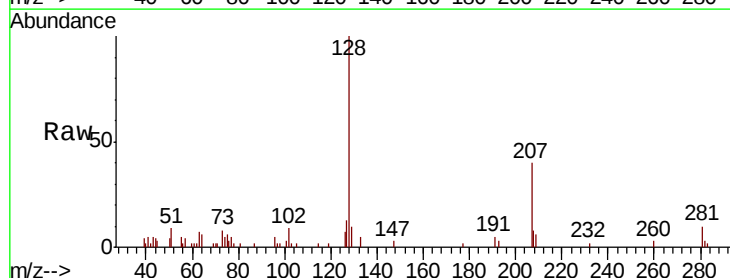
Tgt Ion: 128 Resp: 17329

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): VN060863.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060863.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060863.D (-4060) (-)

