

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053000.D
 Acq On : 19 Dec 2018 10:23
 Operator : MD\SY
 Sample : J6472-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Quant Time: Dec 20 05:54:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1321584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2020794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1825169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	779240	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	650497	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	529630	57.38	ug/l	0.00
Spiked Amount			Recovery	=	114.76%	
50) Toluene-d8	10.09	98	2459059	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	836886	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	

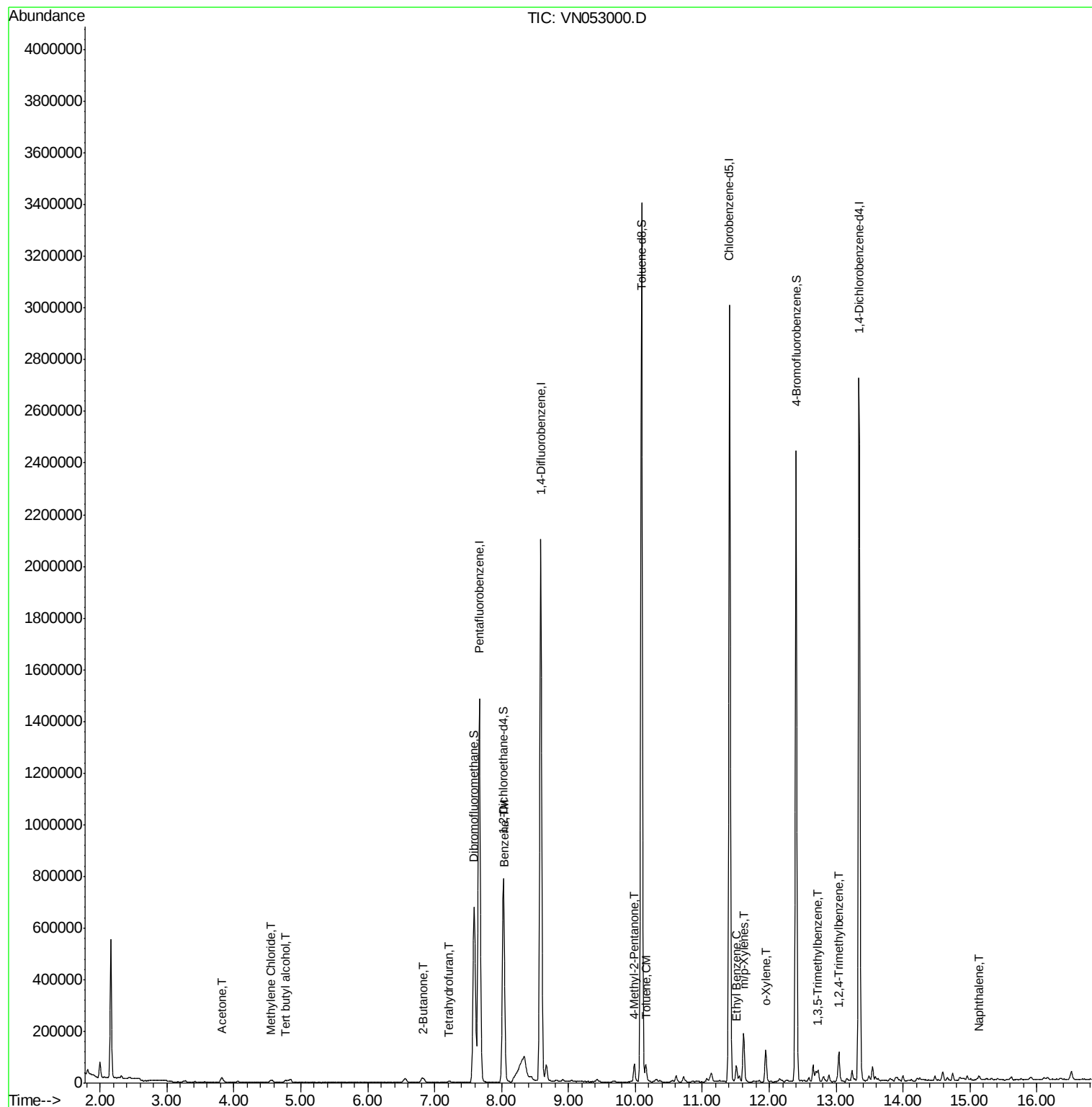
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	15044	18.384	ug/l	97
16) Acetone	3.82	43	34567	13.145	ug/l	99
20) Methylene Chloride	4.55	84	8302	0.579	ug/l	92
25) 2-Butanone	6.84	43	12248	2.775	ug/l	95
29) Tetrahydrofuran	7.22	42	4356	1.322	ug/l	94
40) Benzene	8.05	78	17228	0.299	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	47867	4.565	ug/l	98
52) Toluene	10.16	92	28224	0.789	ug/l	97
67) Ethyl Benzene	11.51	91	39437	0.567	ug/l	96
68) m/p-Xylenes	11.62	106	62032	2.345	ug/l	96
69) o-Xylene	11.95	106	34285	1.351	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	15692	0.316	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	66202	1.325	ug/l	100
95) Naphthalene	15.13	128	13073	1.564	ug/l	97

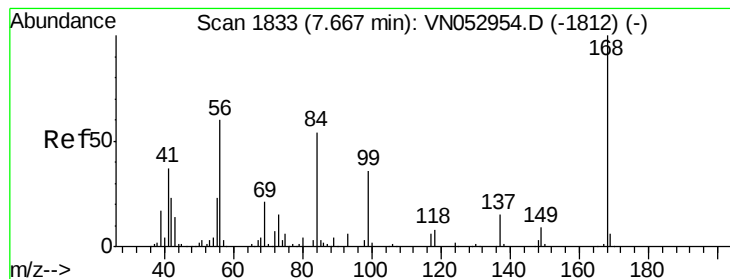
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

Instrument :

MSVOA_N

ClientSampleId :

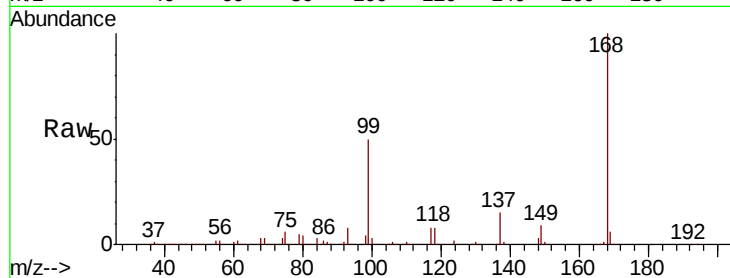
OILY-WATER

Tot Ion:168 Resp: 1321584

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

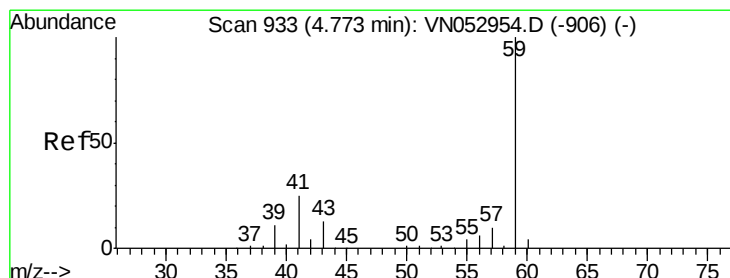
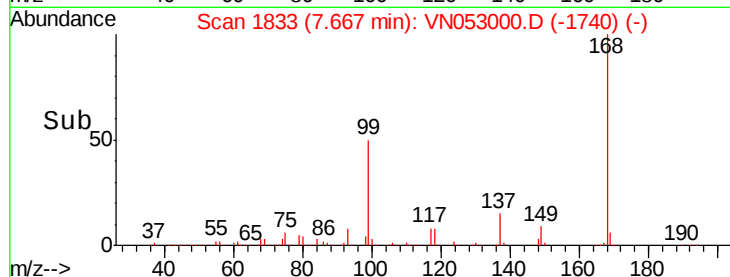
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 18.384 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN053000.D

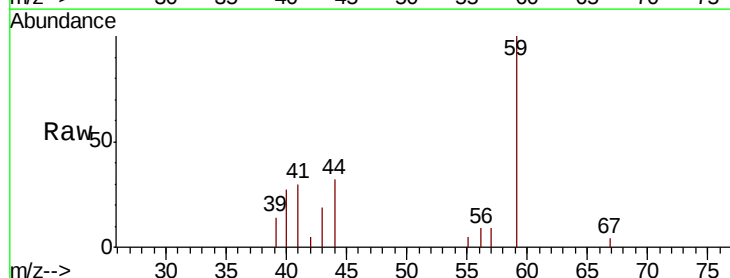
Acq: 19 Dec 2018 10:23

Tgt Ion: 59 Resp: 15044

Ion Ratio Lower Upper

59 100

57 8.4 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.78

4000

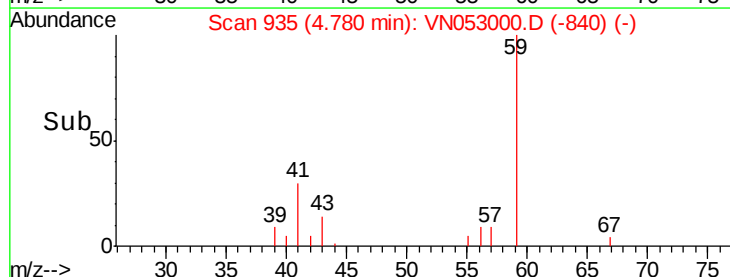
3000

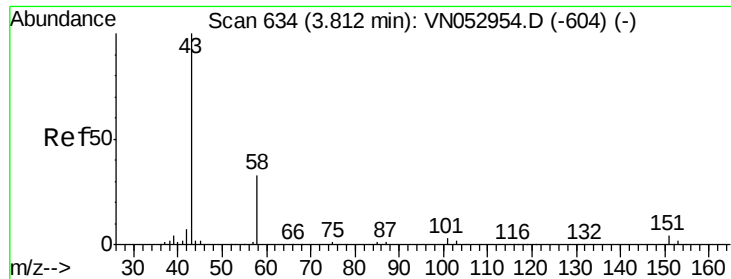
2000

1000

0

Time-->





#16

Acetone

Concen: 13.145 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

Instrument :

MSVOA_N

ClientSampled :

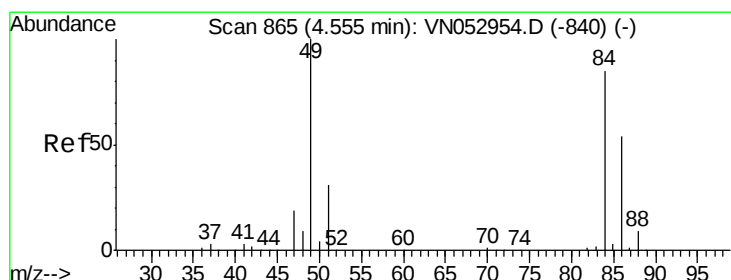
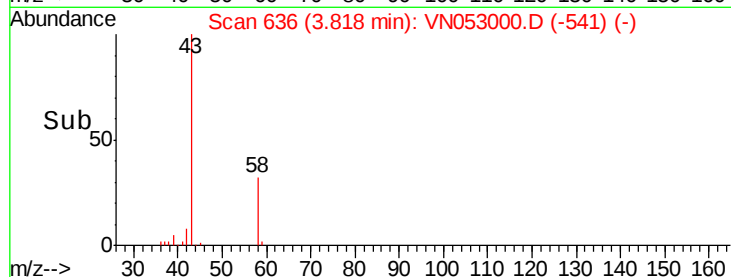
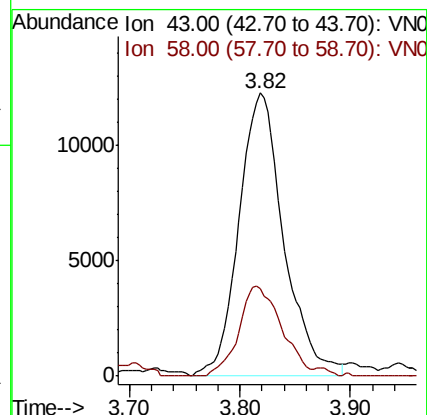
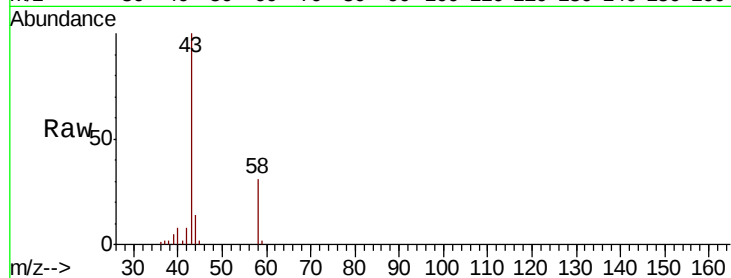
OILY-WATER

Tot Ion: 43 Resp: 34567

Ion Ratio Lower Upper

43 100

58 31.1 25.4 38.0



#20

Methylene Chloride

Concen: 0.579 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

Tgt Ion: 84 Resp: 8302

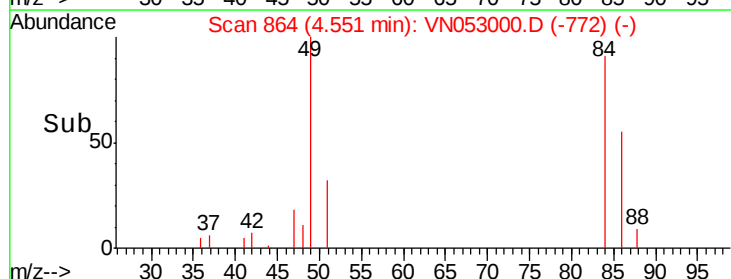
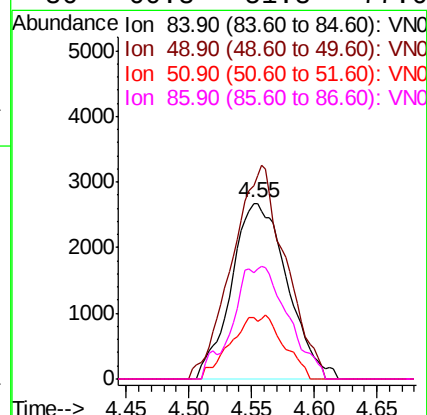
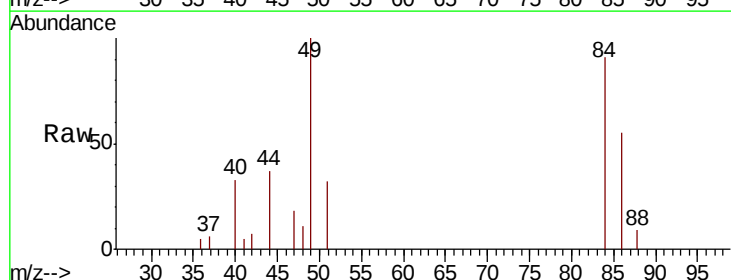
Ion Ratio Lower Upper

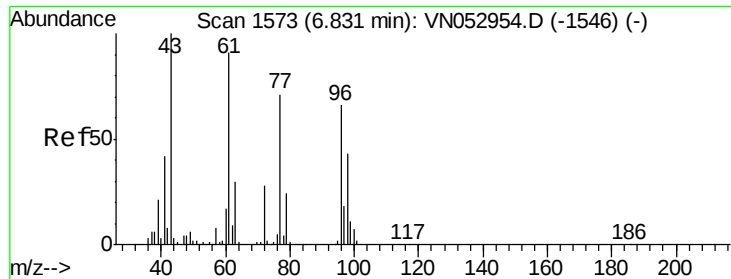
84 100

49 109.6 96.8 145.2

51 35.1 29.9 44.9

86 60.8 51.8 77.6

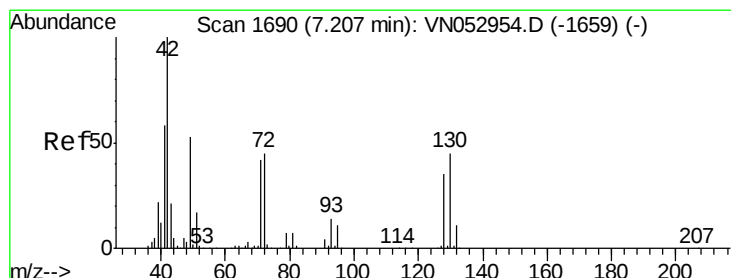
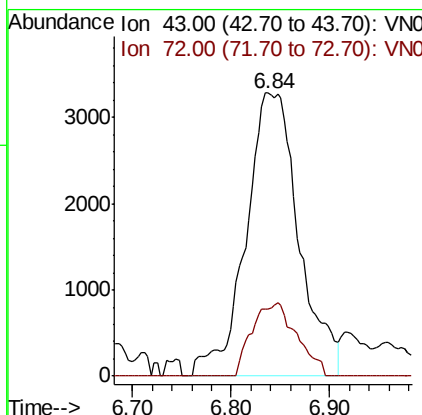
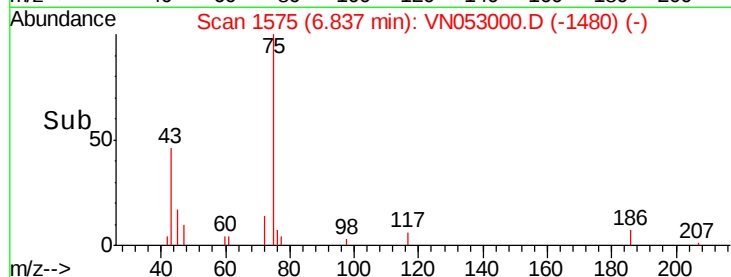
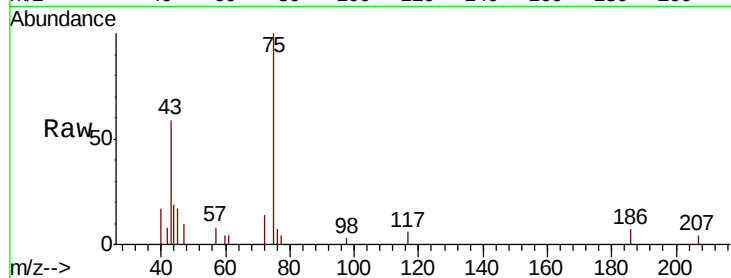




#25
2-Butanone
Concen: 2.775 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053000.D
Acq: 19 Dec 2018 10:23

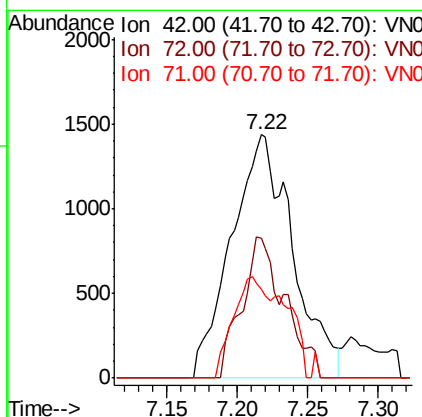
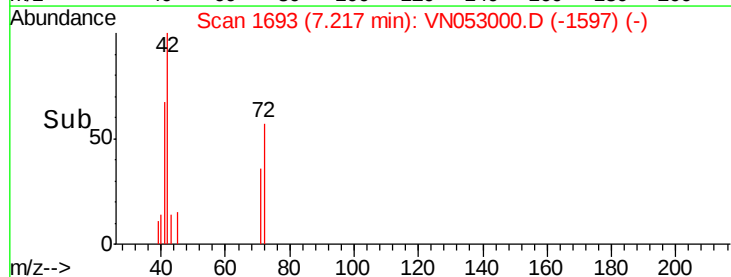
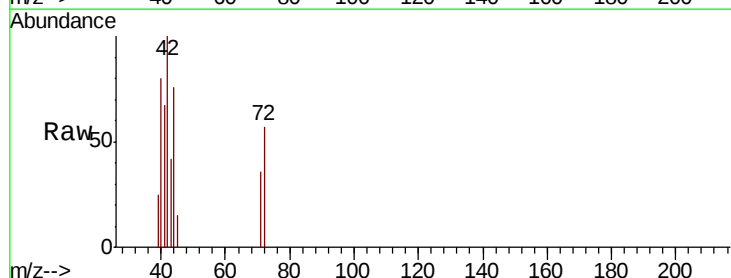
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

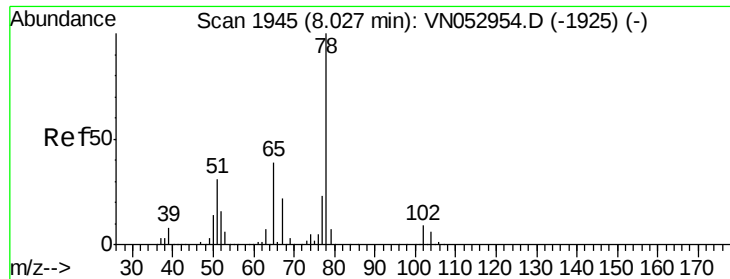
Tot Ion: 43 Resp: 12248
Ion Ratio Lower Upper
43 100
72 23.5 21.0 31.6



#29
Tetrahydrofuran
Concen: 1.322 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053000.D
Acq: 19 Dec 2018 10:23

Tgt Ion: 42 Resp: 4356
Ion Ratio Lower Upper
42 100
72 40.7 34.7 52.1
71 35.5 32.3 48.5

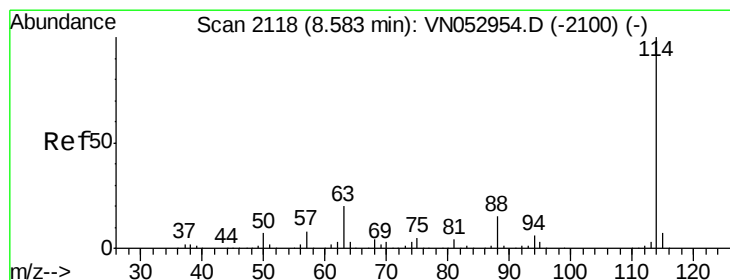
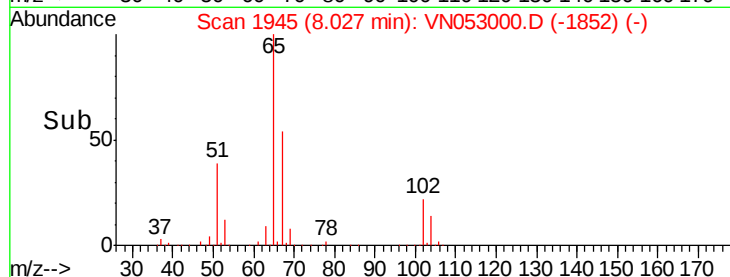
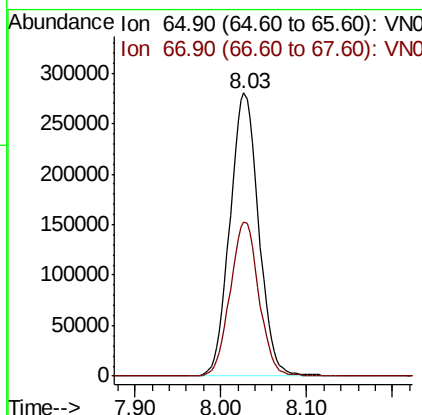
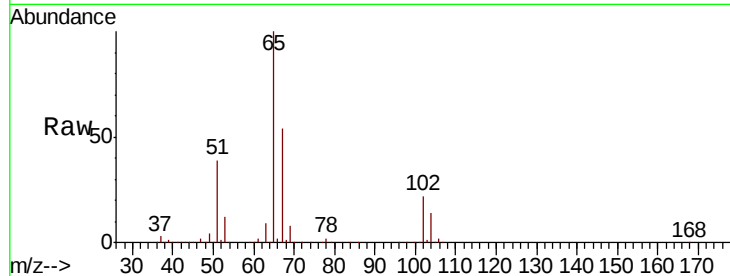




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053000.D
 Acq: 19 Dec 2018 10:23

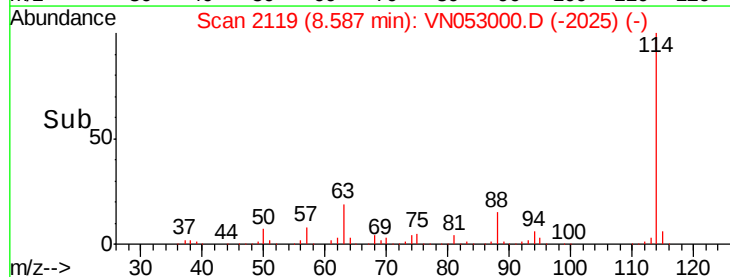
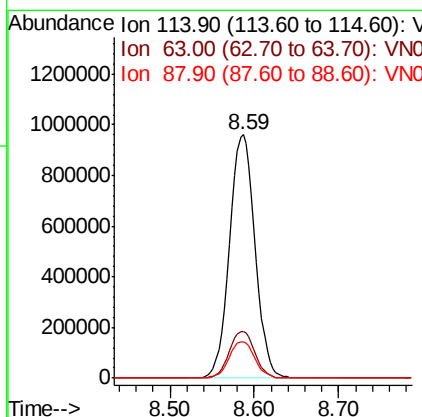
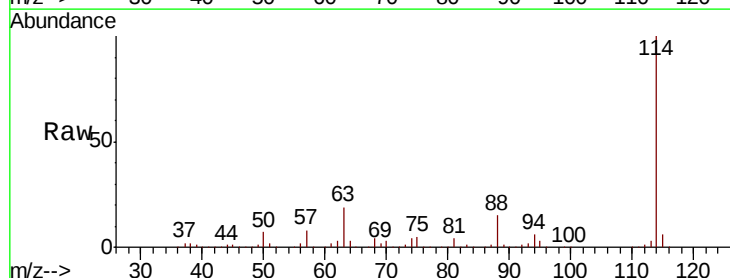
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

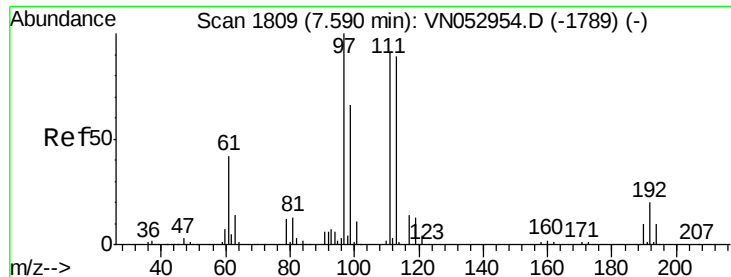
Tot Ion: 65 Resp: 650497
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053000.D
 Acq: 19 Dec 2018 10:23

Tgt Ion: 114 Resp: 2020794
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

Instrument :

MSVOA_N

ClientSampled :

OILY-WATER

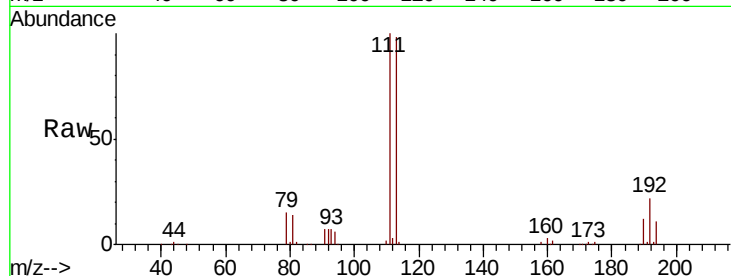
Tot Ion:113 Resp: 529630

Ion Ratio Lower Upper

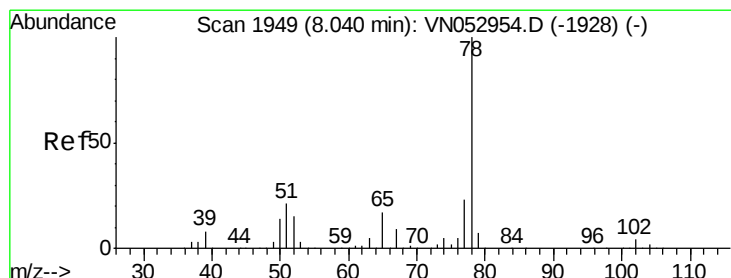
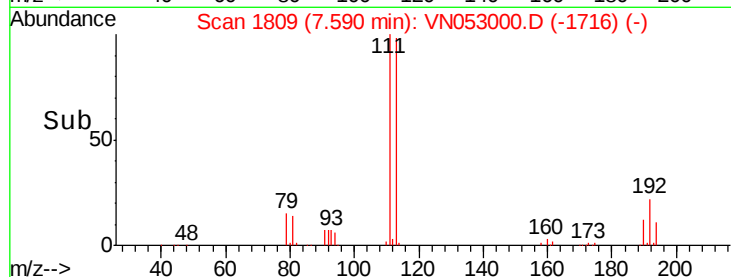
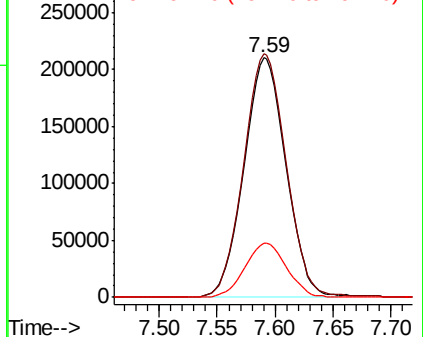
113 100

111 102.7 83.0 124.4

192 22.5 17.5 26.3



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



#40

Benzene

Concen: 0.299 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.01 min

Lab File: VN053000.D

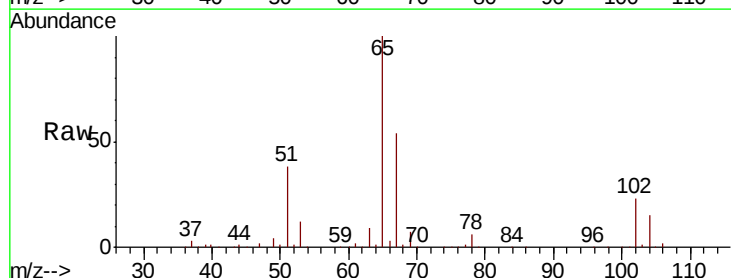
Acq: 19 Dec 2018 10:23

Tgt Ion: 78 Resp: 17228

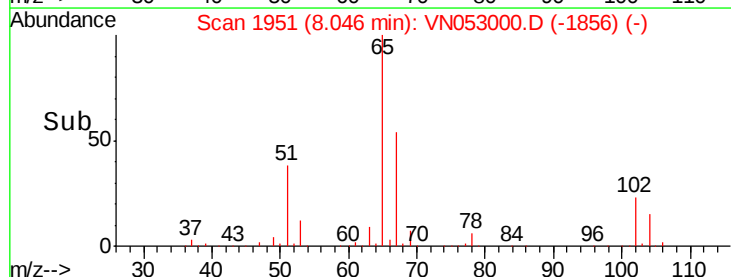
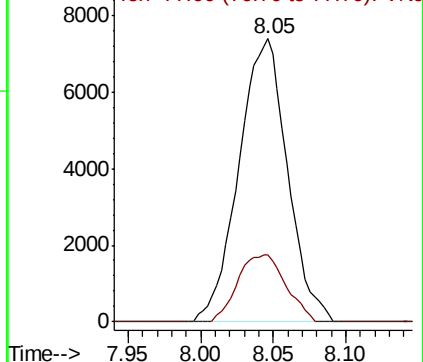
Ion Ratio Lower Upper

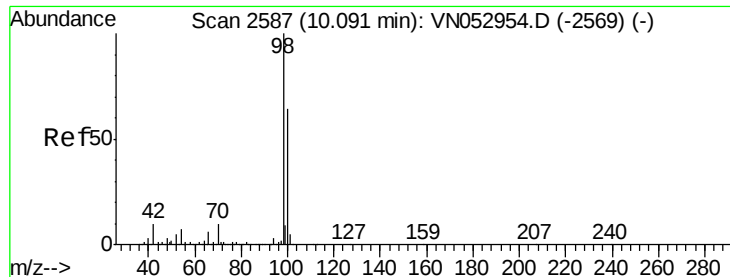
78 100

77 23.7 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

Instrument :

MSVOA_N

ClientSampleId :

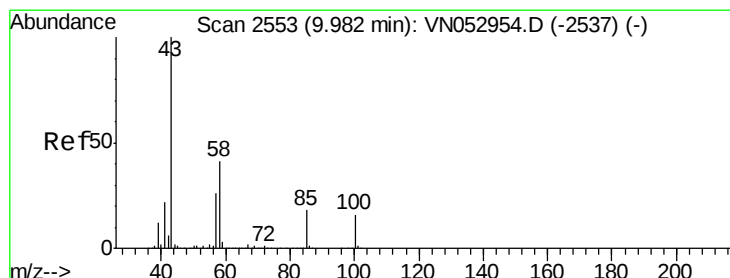
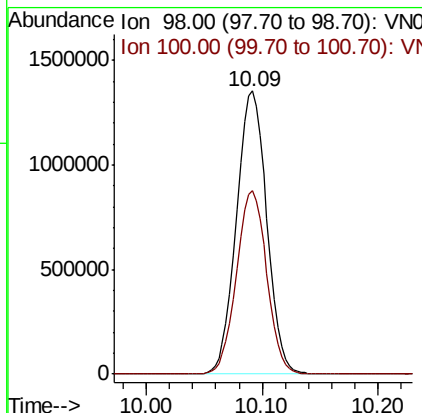
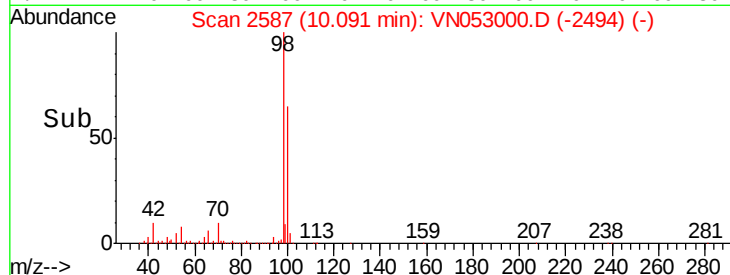
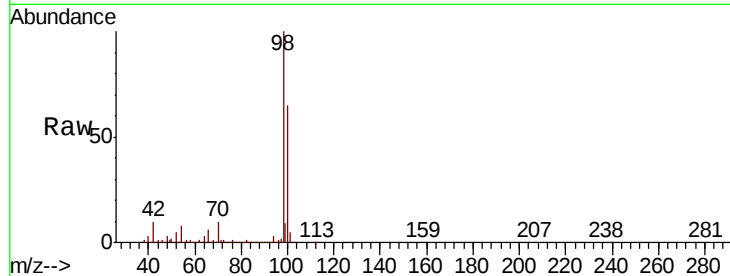
OILY-WATER

Tot Ion: 98 Resp: 2459059

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 4.565 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053000.D

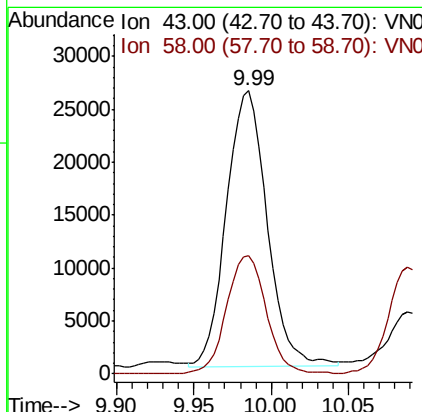
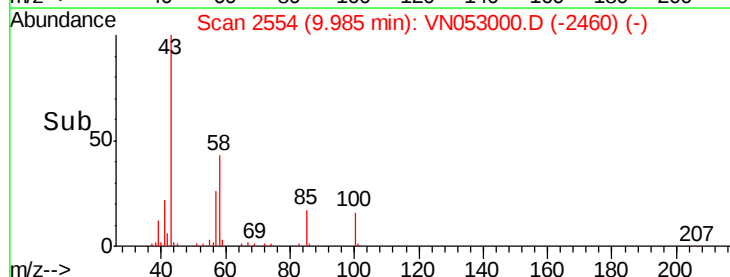
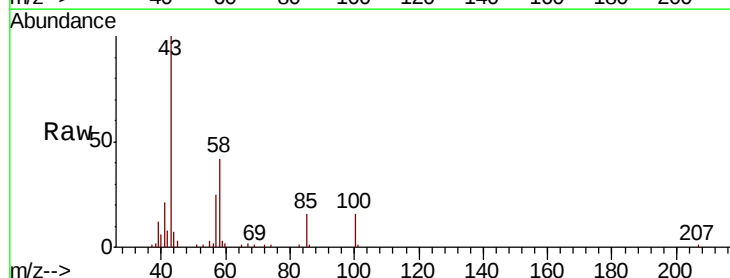
Acq: 19 Dec 2018 10:23

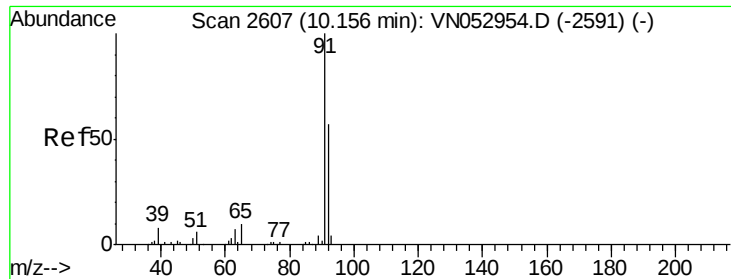
Tgt Ion: 43 Resp: 47867

Ion Ratio Lower Upper

43 100

58 41.7 32.2 48.4





#52

Toluene

Concen: 0.789 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

Instrument :

MSVOA_N

ClientSampleId :

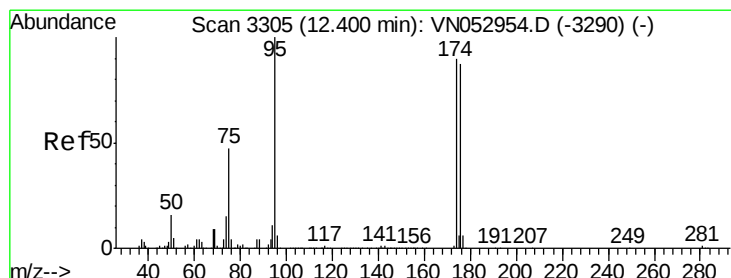
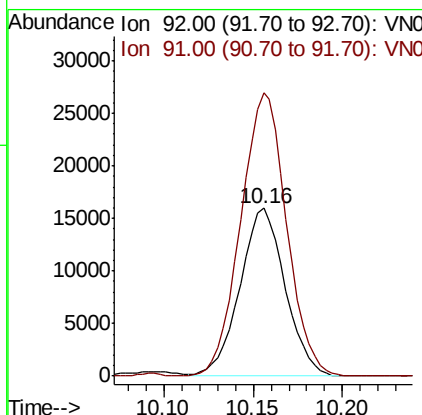
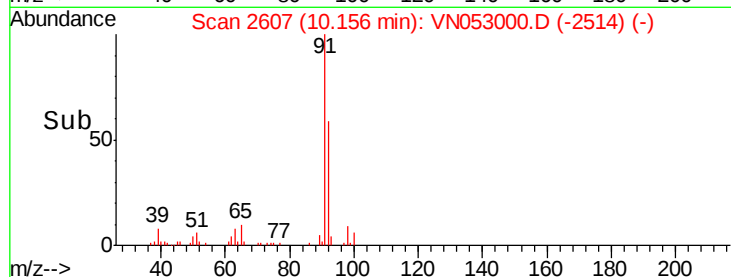
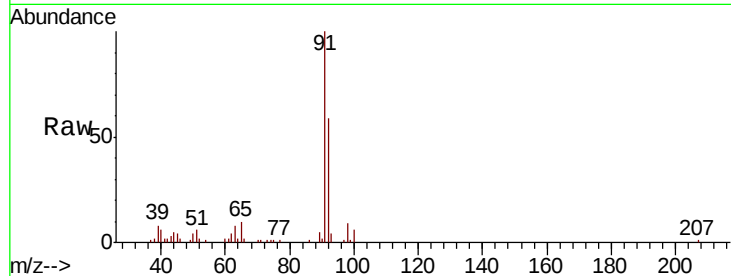
OILY-WATER

Tot Ion: 92 Resp: 28224

Ion Ratio Lower Upper

92 100

91 171.0 139.8 209.6



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

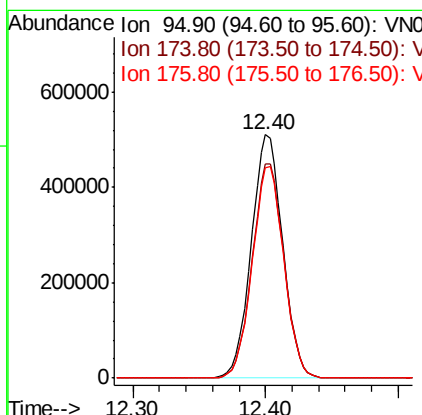
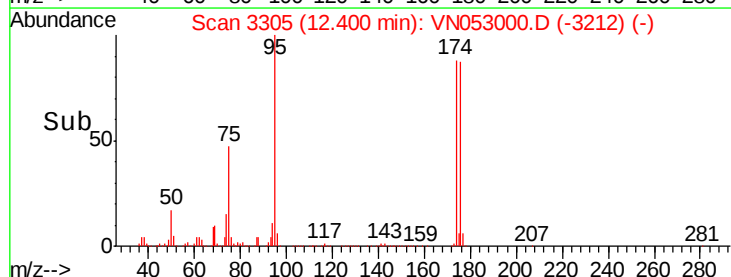
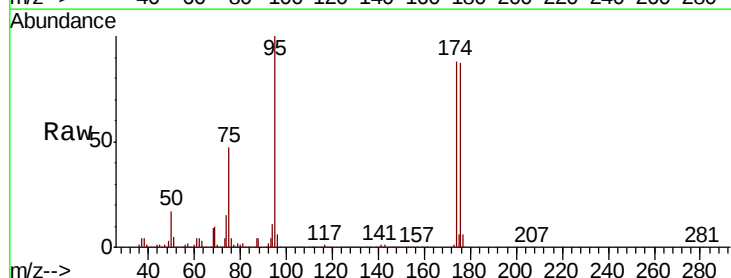
Tgt Ion: 95 Resp: 836886

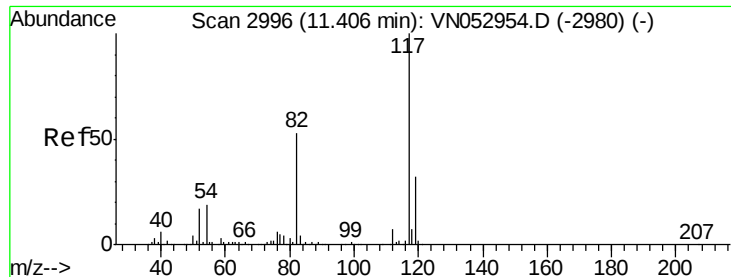
Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.8

176 87.4 0.0 173.8

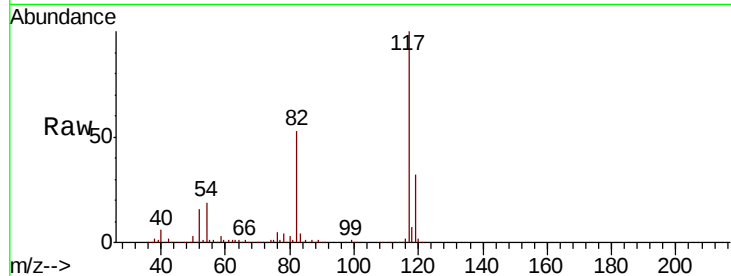




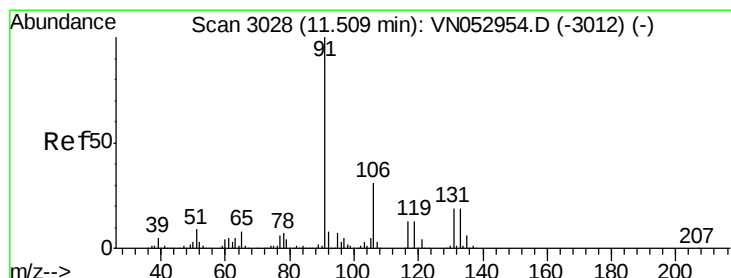
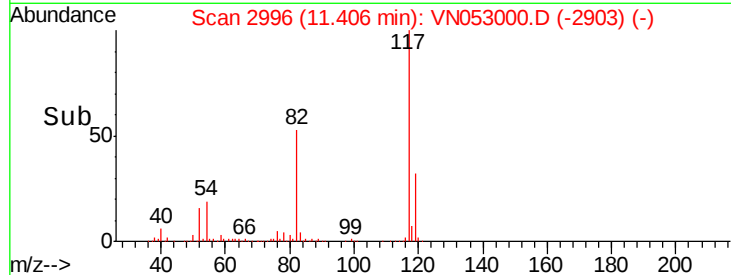
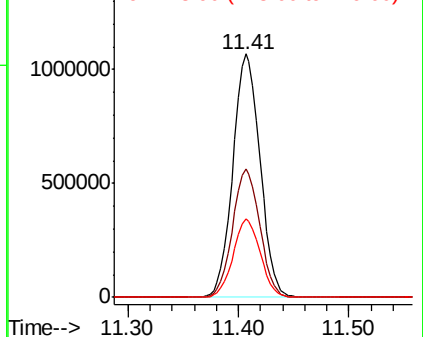
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053000.D
Acq: 19 Dec 2018 10:23

Instrument :
MSVOA_N
ClientSampled :
OILY-WATER

Tot Ion:117 Resp: 1825169
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.0 25.5 38.3

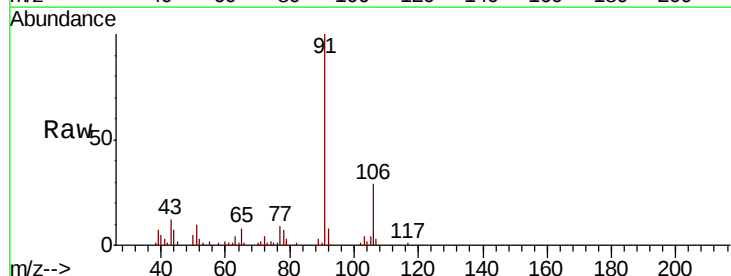


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

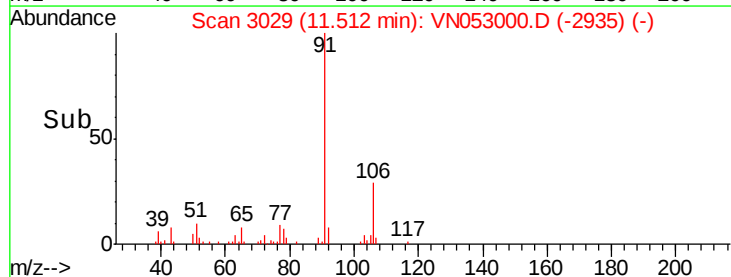
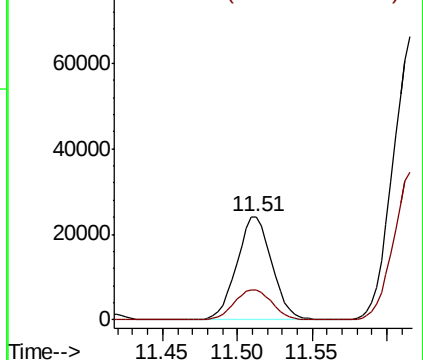


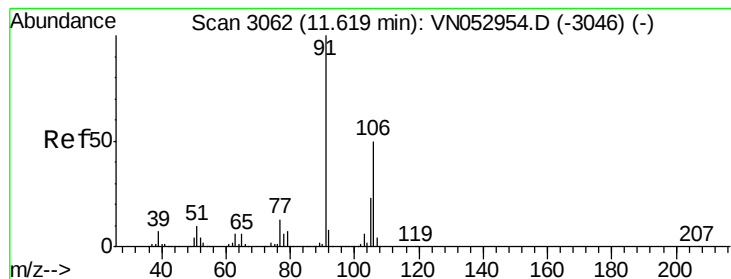
#67
Ethyl Benzene
Concen: 0.567 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053000.D
Acq: 19 Dec 2018 10:23

Tgt Ion: 91 Resp: 39437
Ion Ratio Lower Upper
91 100
106 29.0 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 2.345 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

Instrument :

MSVOA_N

ClientSampleId :

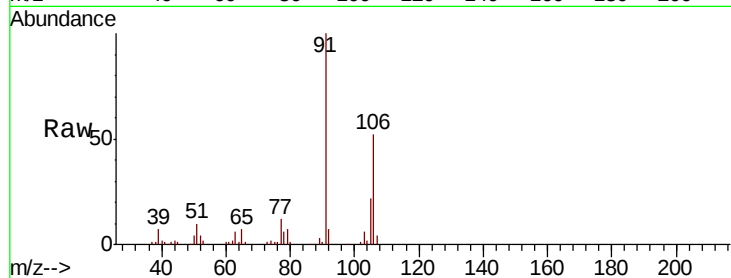
OILY-WATER

Tot Ion:106 Resp: 62032

Ion Ratio Lower Upper

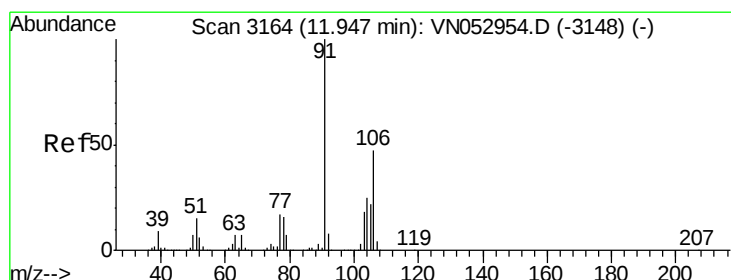
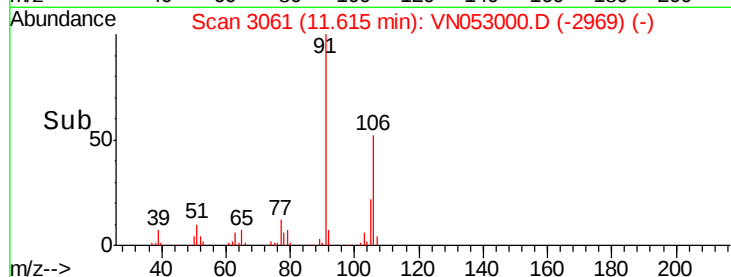
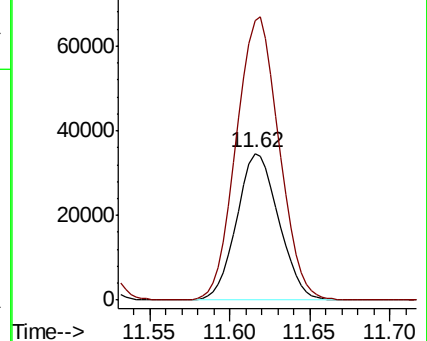
106 100

91 197.0 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.351 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053000.D

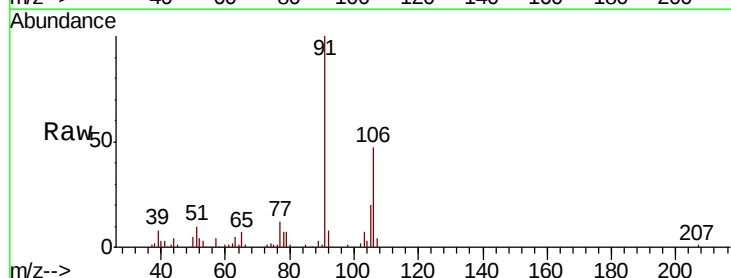
Acq: 19 Dec 2018 10:23

Tgt Ion:106 Resp: 34285

Ion Ratio Lower Upper

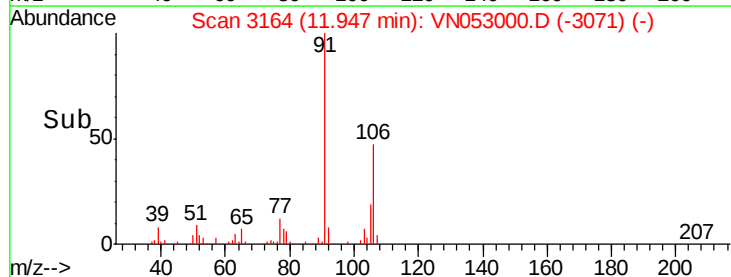
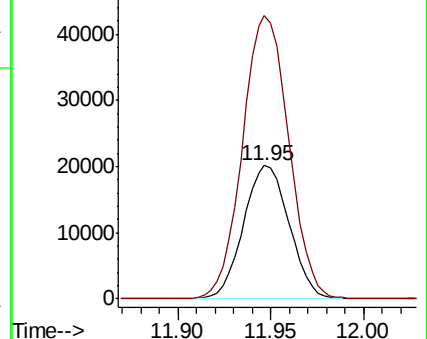
106 100

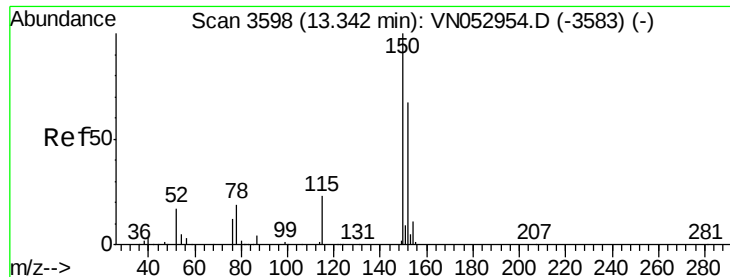
91 215.8 106.6 319.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053000.D

Acq: 19 Dec 2018 10:23

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

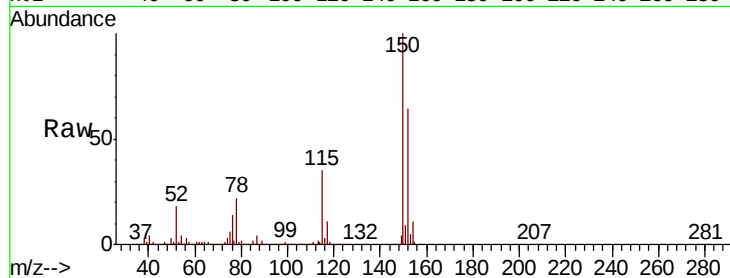
Tot Ion:152 Resp: 779240

Ion Ratio Lower Upper

152 100

115 56.3 28.3 85.0

150 156.4 0.0 347.8

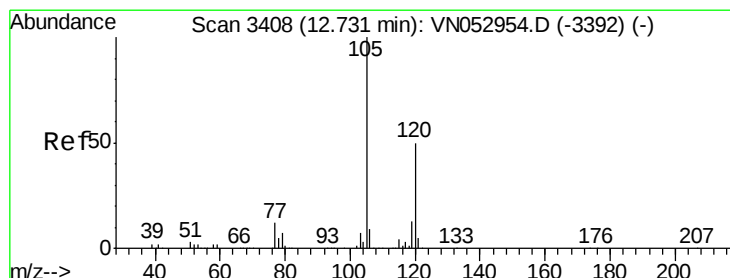
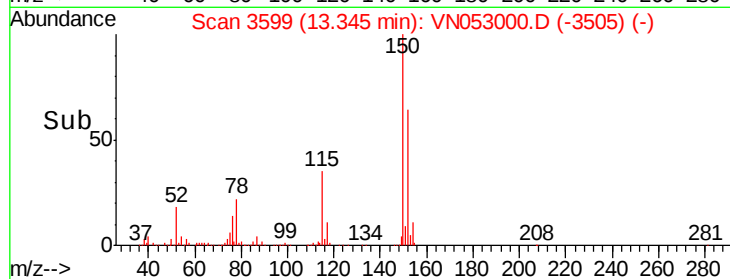
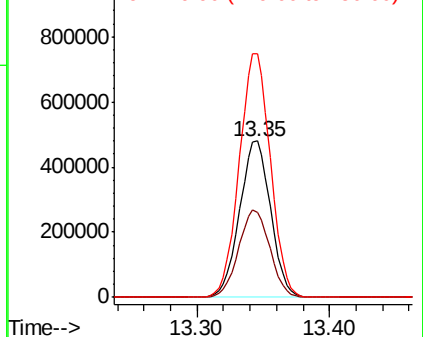


Abundance

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



#80

1,3,5-Trimethylbenzene

Concen: 0.316 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053000.D

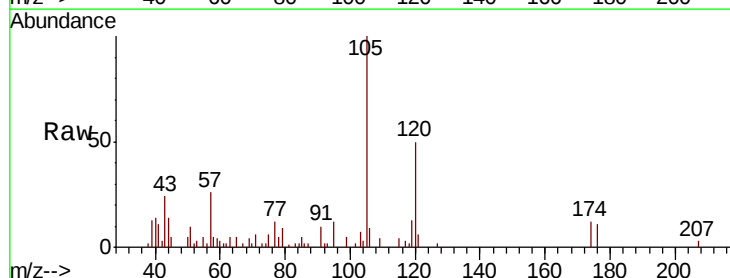
Acq: 19 Dec 2018 10:23

Tgt Ion:105 Resp: 15692

Ion Ratio Lower Upper

105 100

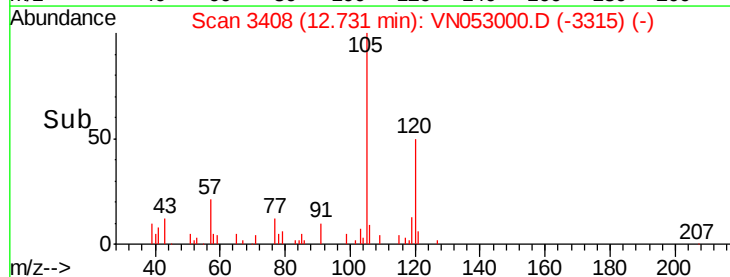
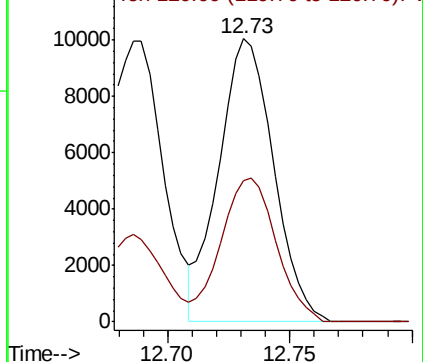
120 51.3 24.4 73.2

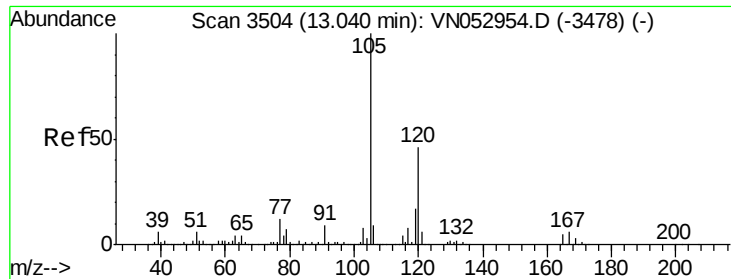


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

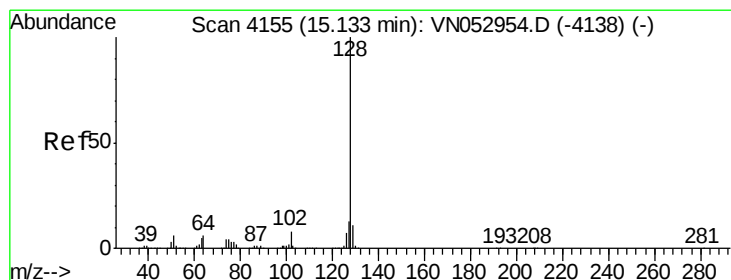
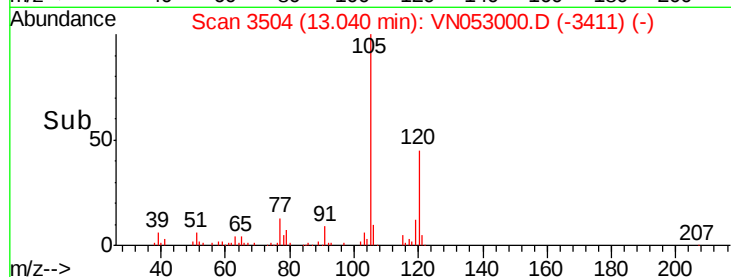
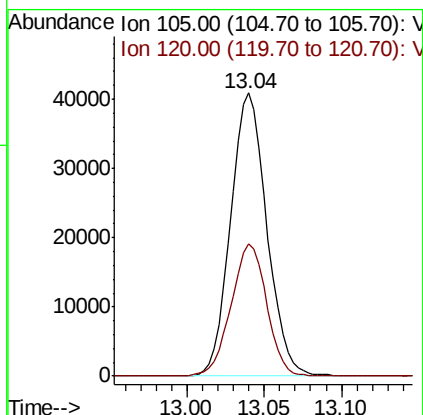
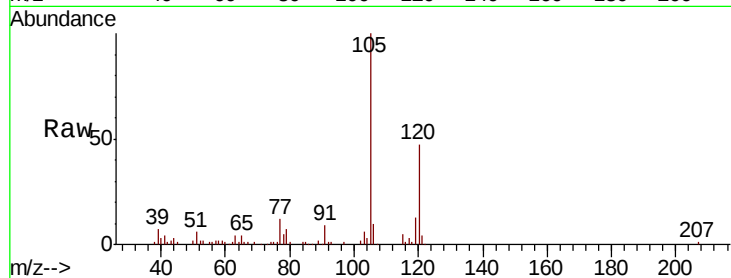




#84
 1,2,4-Trimethylbenzene
 Concen: 1.325 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053000.D
 Acq: 19 Dec 2018 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Tot Ion:105 Resp: 66202
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8



#95
 Naphthalene
 Concen: 1.564 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053000.D
 Acq: 19 Dec 2018 10:23

Tgt Ion:128 Resp: 13073
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.2 15.4
 129 12.3 8.6 13.0

