

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051348.D
 Acq On : 20 Sep 2018 18:55
 Operator : MD\SY
 Sample : J4982-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Quant Time: Sep 21 06:44:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	822077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1178773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1007047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	393045	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	441972	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	7.59	113	444186	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
50) Toluene-d8	10.09	98	1616060	44.13	ug/l	0.00
Spiked Amount			Recovery	=	88.26%	
62) 4-Bromofluorobenzene	12.40	95	451084	37.86	ug/l	0.00
Spiked Amount			Recovery	=	75.72%	

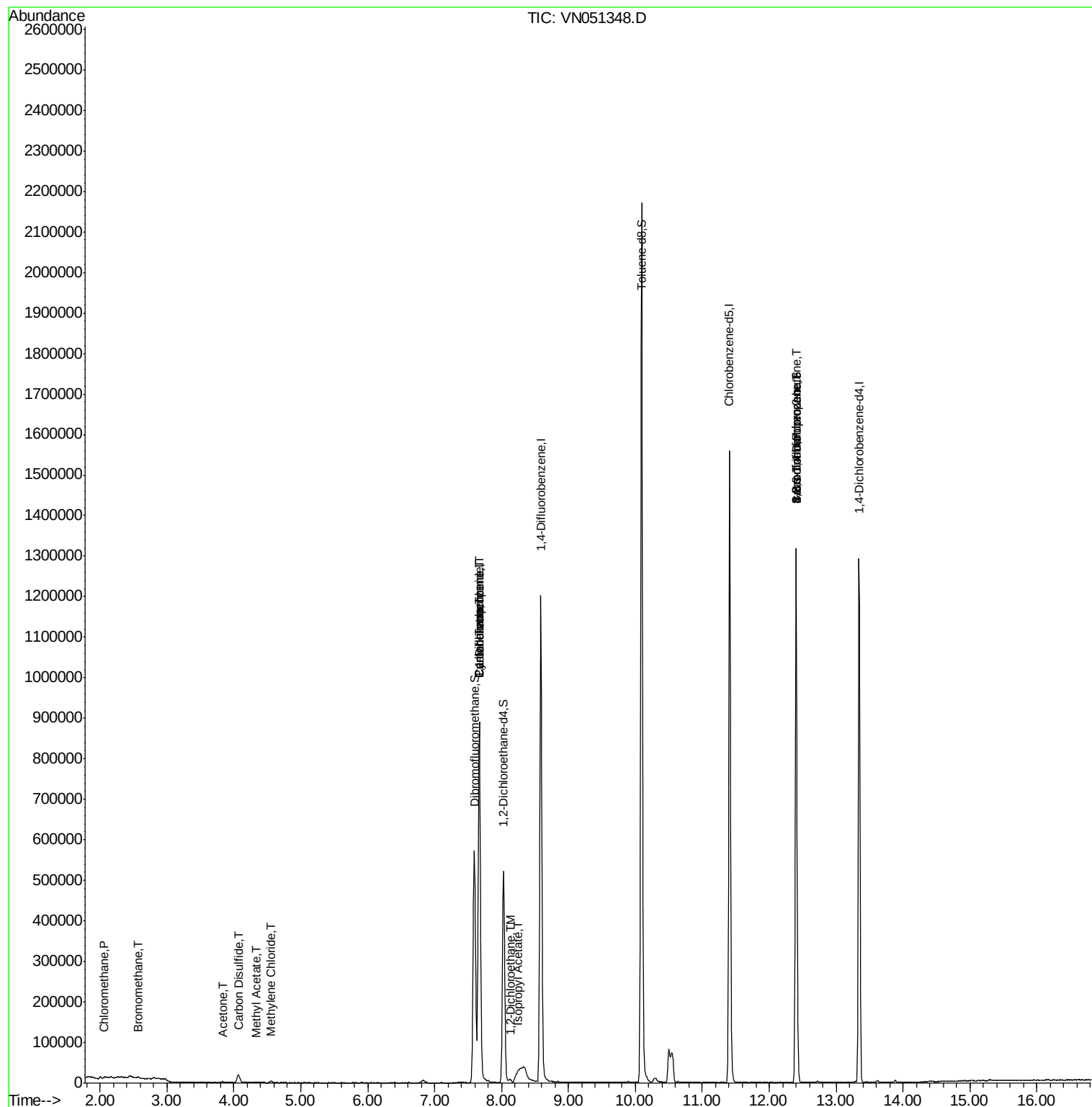
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2328	0.24	ug/l #	87
5) Bromomethane	2.57	94	1438	0.21	ug/l	88
16) Acetone	3.82	43	3938	2.15	ug/l #	83
17) Carbon Disulfide	4.06	76	9844	0.42	ug/l	96
18) Methyl Acetate	4.34	43	2681	0.43	ug/l #	77
20) Methylene Chloride	4.55	84	2956	0.32	ug/l	91
31) Cyclohexane	7.67	56	12459	0.87	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	48675	4.04	ug/l #	49
38) Carbon Tetrachloride	7.67	117	68620	5.26	ug/l #	17
42) 1,2-Dichloroethane	8.12	62	5896	0.54	ug/l	86
43) Isopropyl Acetate	8.24	43	21342	2.04	ug/l #	58
71) Bromoform	12.40	173	1758	0.28	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	204318	36.00	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	204318	124.62	ug/l #	14

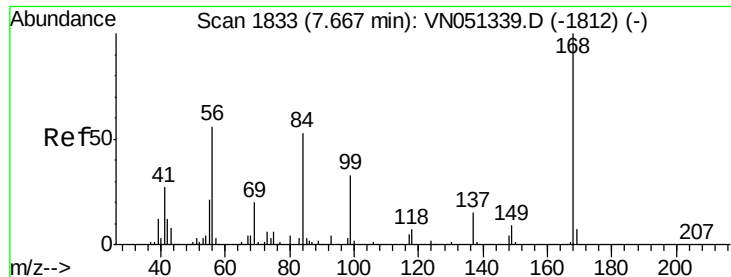
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

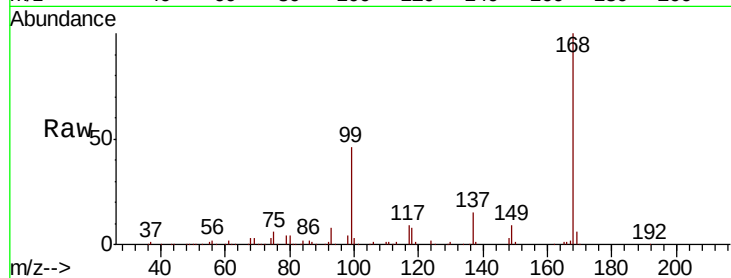
OILY-WATER

Tot Ion:168 Resp: 822077

Ion Ratio Lower Upper

168 100

99 45.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

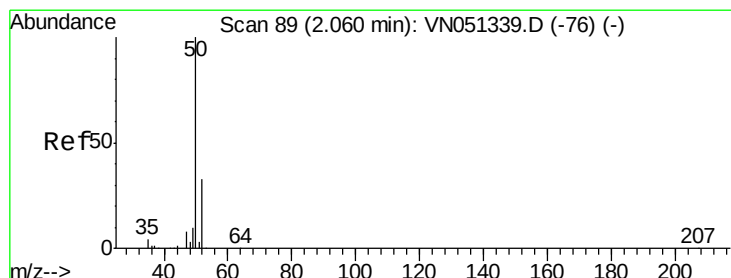
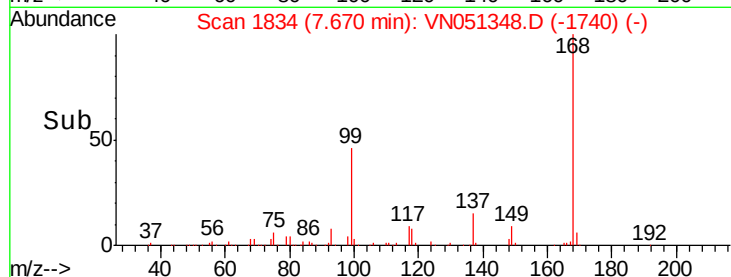
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.24 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051348.D

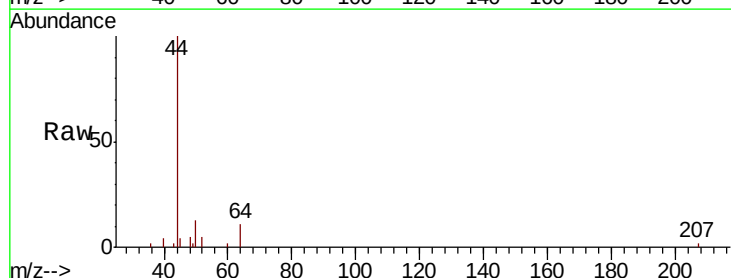
Acq: 20 Sep 2018 18:55

Tgt Ion: 50 Resp: 2328

Ion Ratio Lower Upper

50 100

52 40.9 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

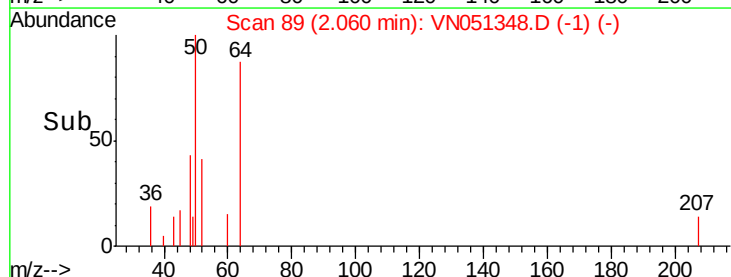
1500

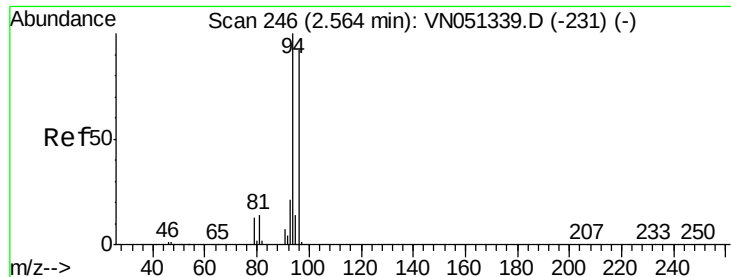
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.21 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

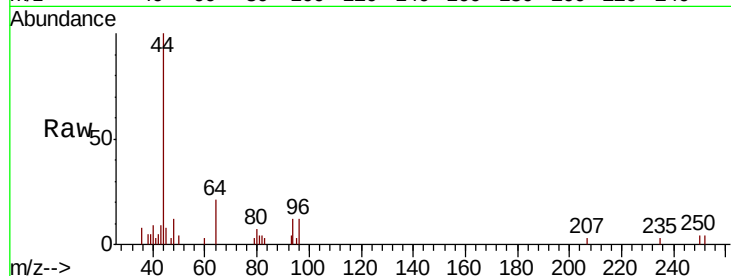
OILY-WATER

Tot Ion: 94 Resp: 1438

Ion Ratio Lower Upper

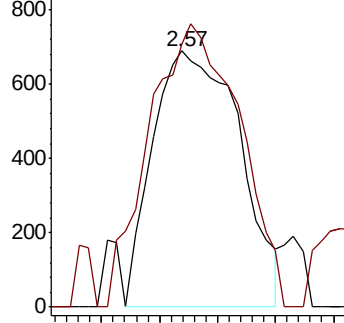
94 100

96 80.7 73.8 110.8

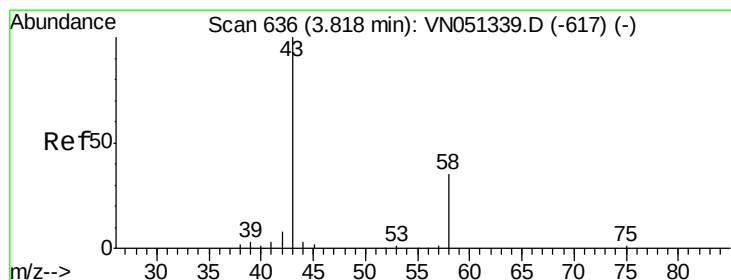
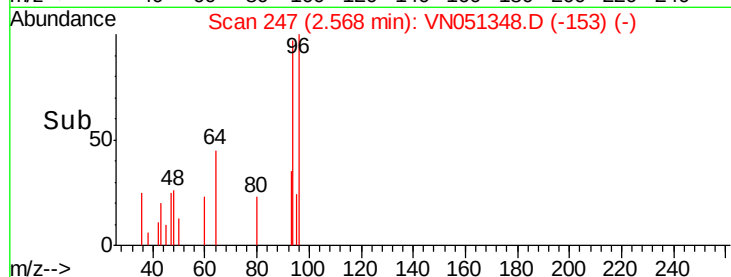


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#16

Acetone

Concen: 2.15 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051348.D

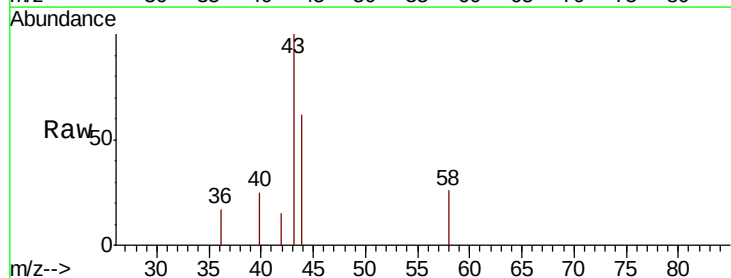
Acq: 20 Sep 2018 18:55

Tgt Ion: 43 Resp: 3938

Ion Ratio Lower Upper

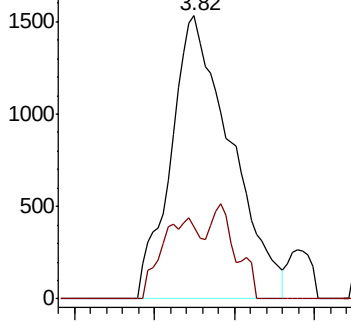
43 100

58 25.7 28.3 42.5#

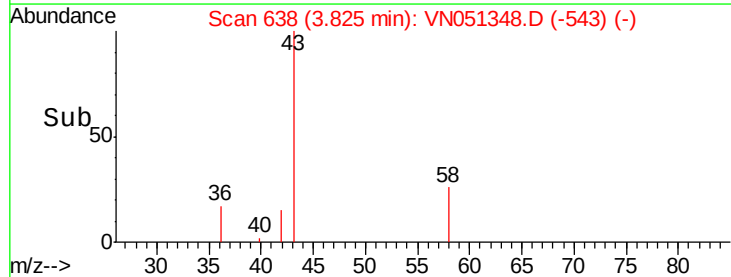


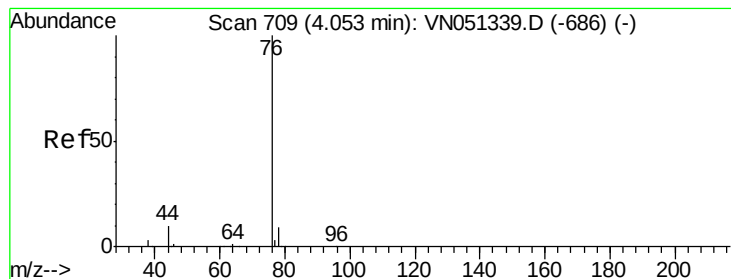
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#17

Carbon Disulfide

Concen: 0.42 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

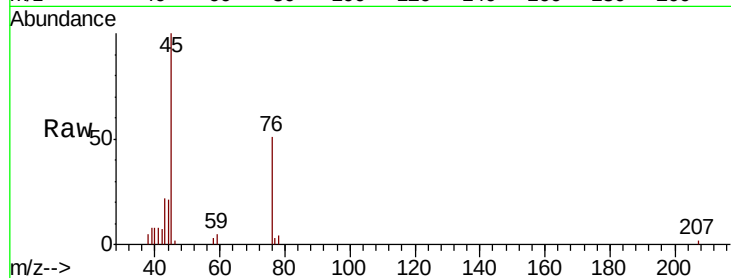
OILY-WATER

Tot Ion: 76 Resp: 9844

Ion Ratio Lower Upper

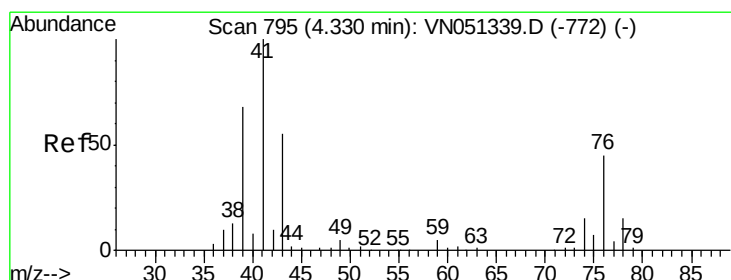
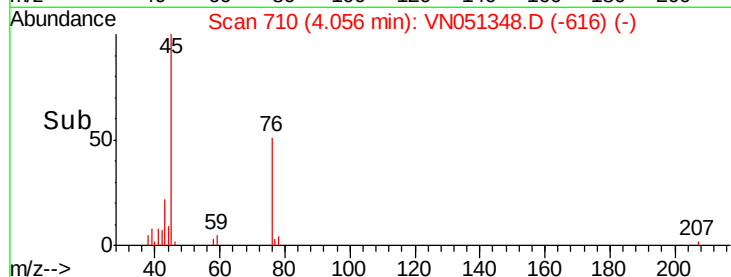
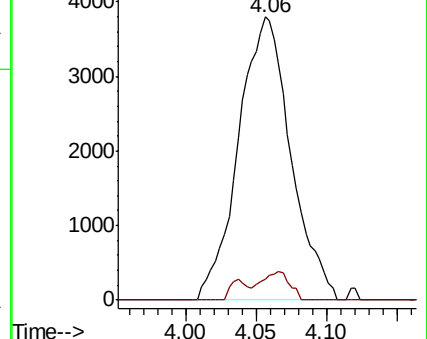
76 100

78 7.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.43 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051348.D

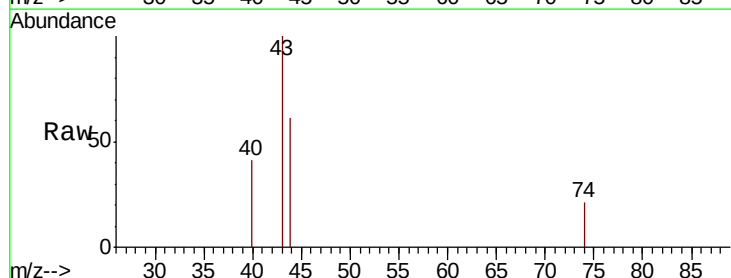
Acq: 20 Sep 2018 18:55

Tgt Ion: 43 Resp: 2681

Ion Ratio Lower Upper

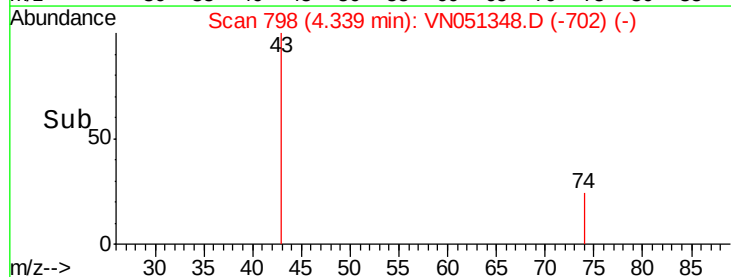
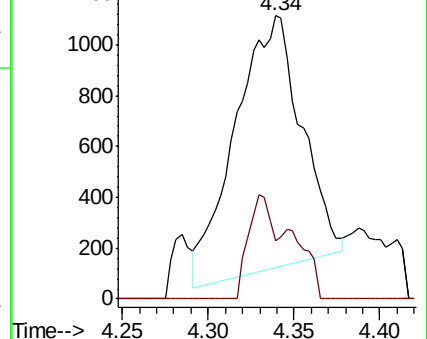
43 100

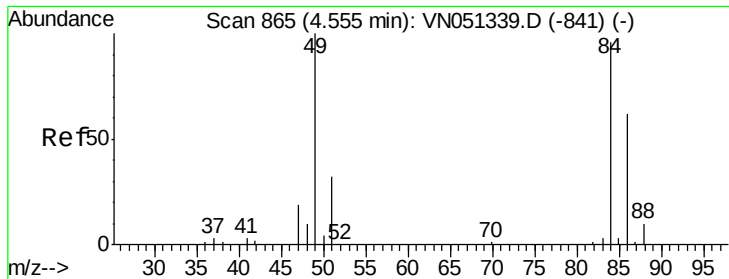
74 14.9 21.7 32.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 0.32 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

OILY-WATER

Tot Ion: 84 Resp: 2956

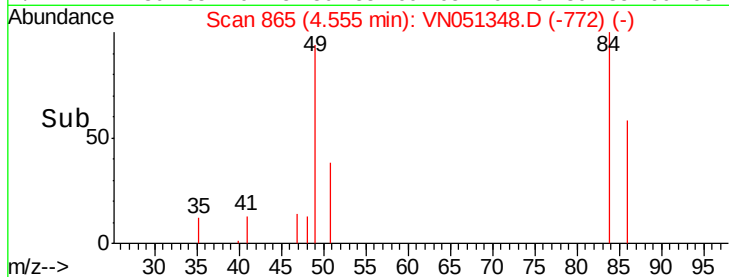
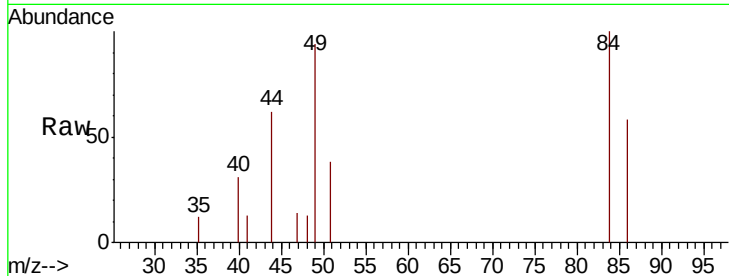
Ion Ratio Lower Upper

84 100

49 93.7 83.2 124.8

51 37.5 26.4 39.6

86 58.2 51.4 77.0

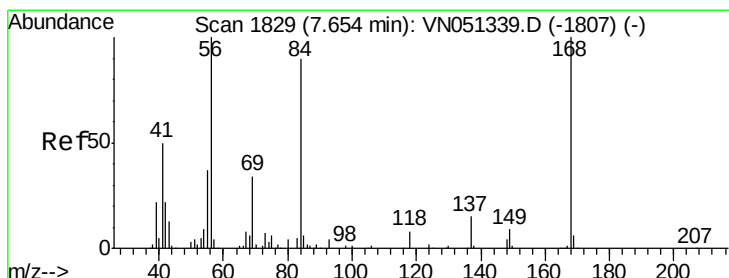
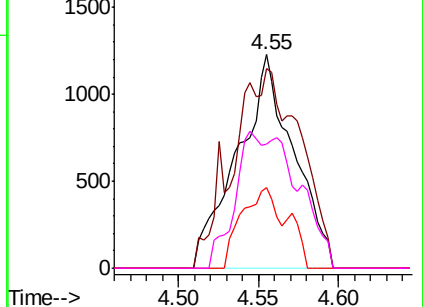


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 0.87 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

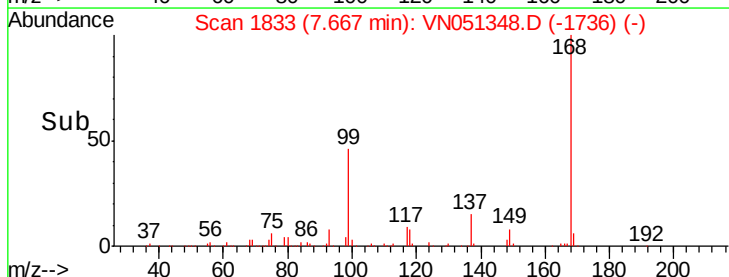
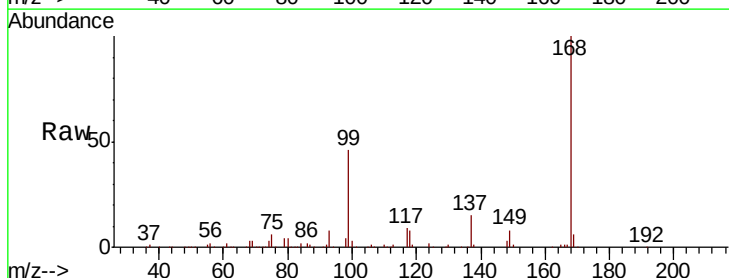
Tgt Ion: 56 Resp: 12459

Ion Ratio Lower Upper

56 100

69 189.2 27.3 40.9#

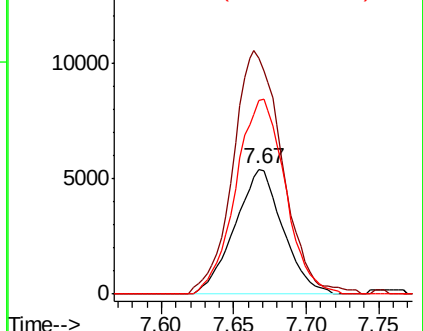
84 154.7 72.2 108.2#

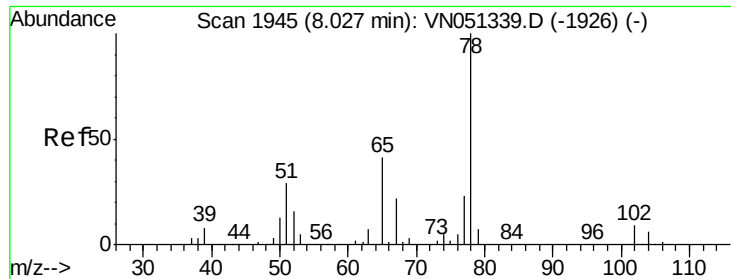


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

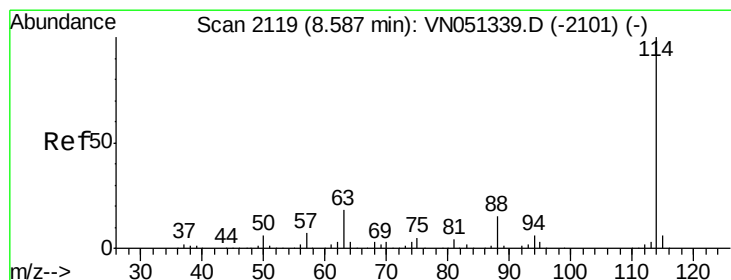
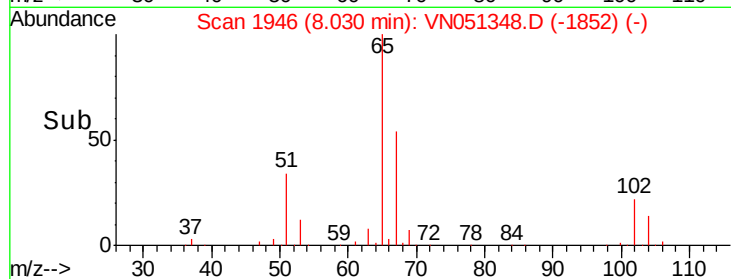
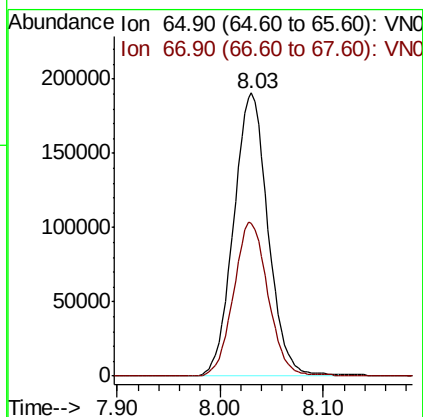
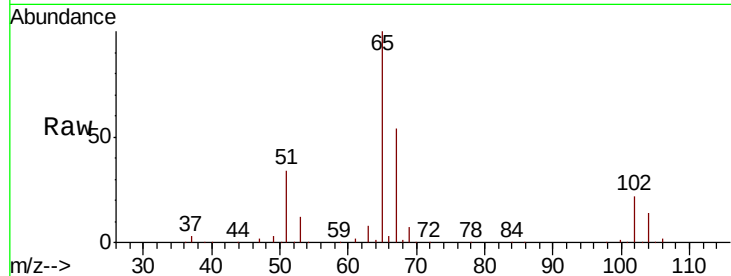




#33
 1,2-Dichloroethane-d4
 Concen: 49.60 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051348.D
 Acq: 20 Sep 2018 18:55

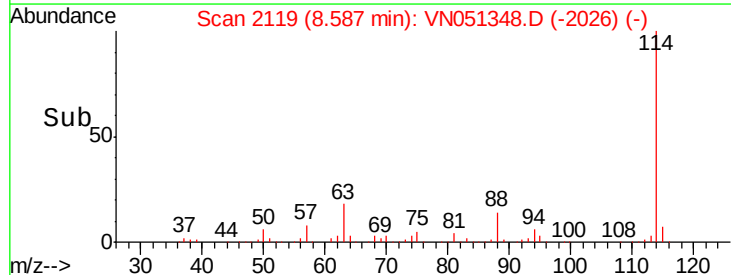
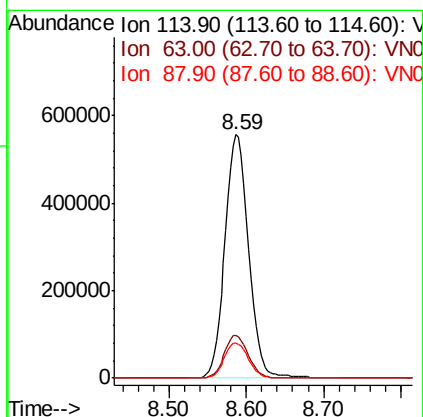
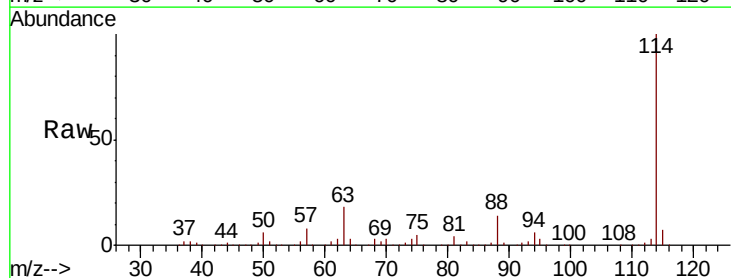
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

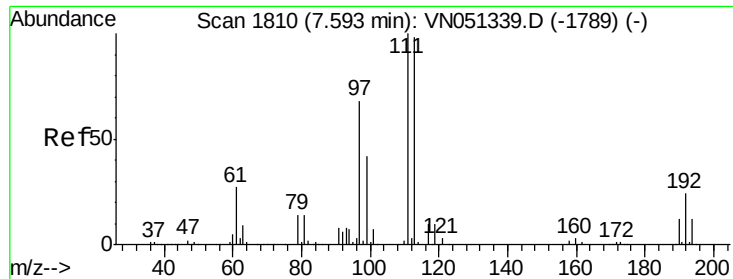
Tot Ion: 65 Resp: 441972
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051348.D
 Acq: 20 Sep 2018 18:55

Tgt Ion: 114 Resp: 1178773
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.6
 88 14.4 0.0 29.8

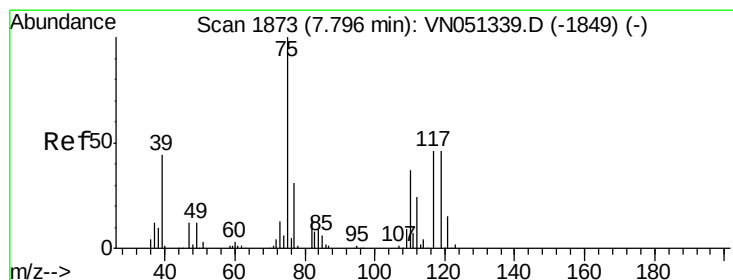
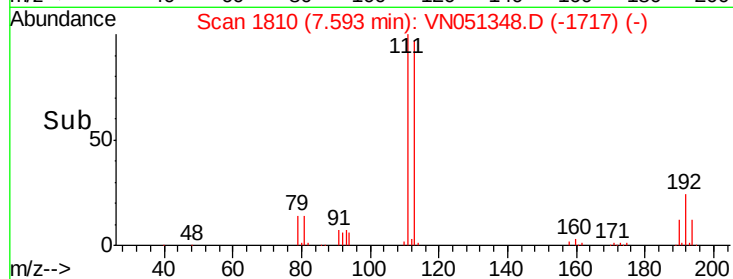
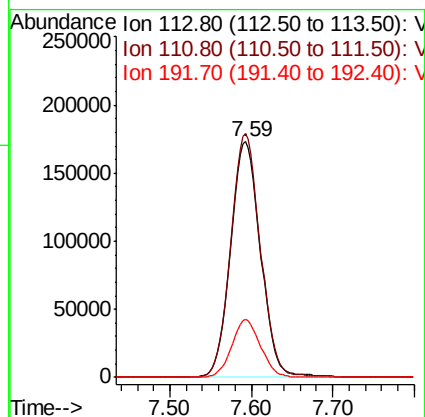
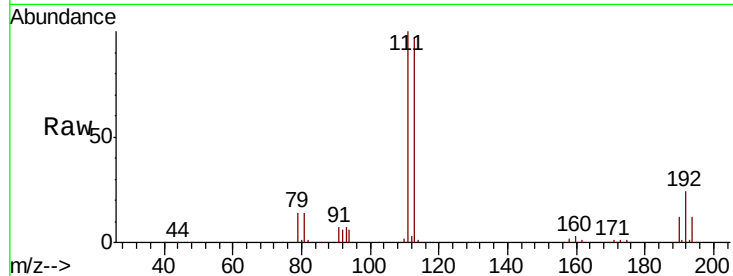




#35
 Dibromofluoromethane
 Concen: 46.63 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051348.D
 Acq: 20 Sep 2018 18:55

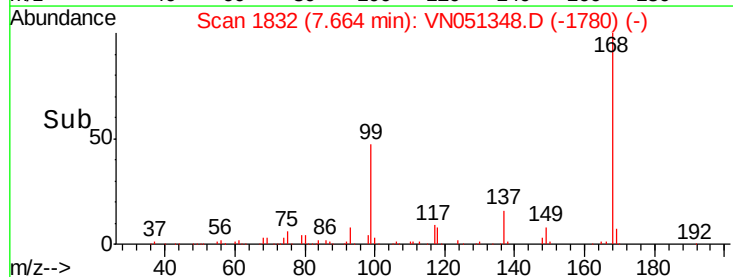
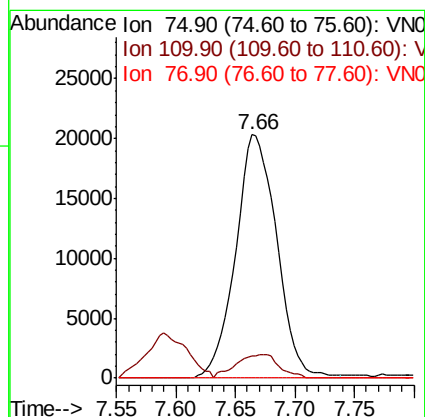
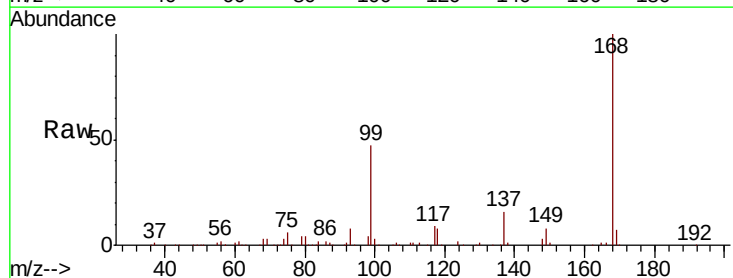
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

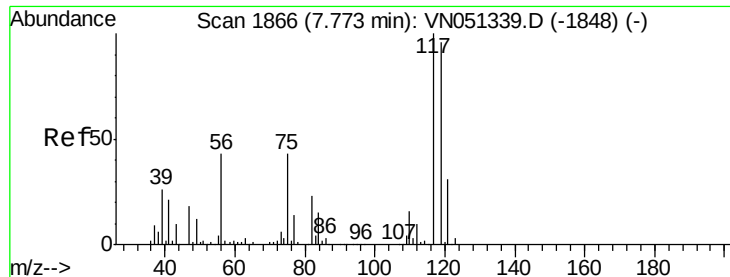
Tot Ion:113 Resp: 444186
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 23.6 19.8 29.6



#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051348.D
 Acq: 20 Sep 2018 18:55

Tgt Ion: 75 Resp: 48675
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.9 56.5#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.26 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

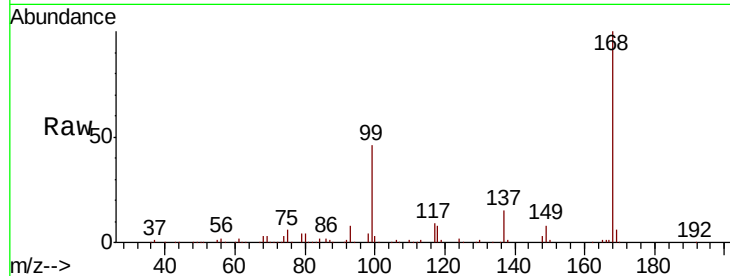
Tot Ion:117 Resp: 68620

Ion Ratio Lower Upper

117 100

119 6.0 77.0 115.4#

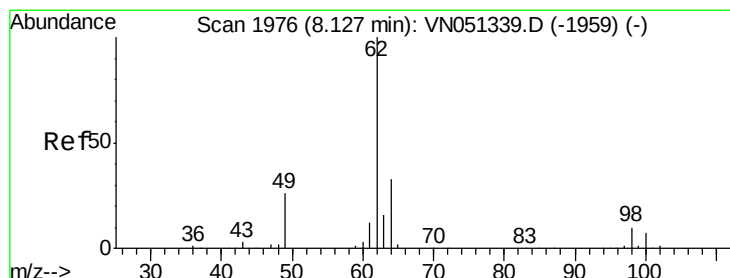
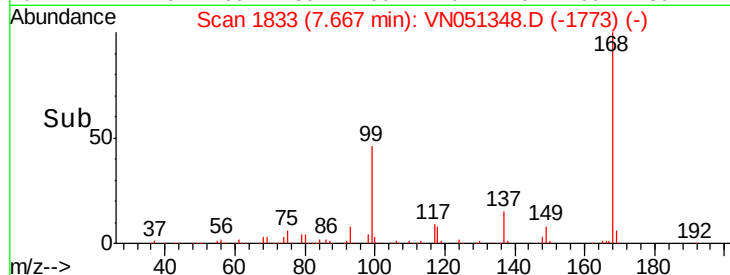
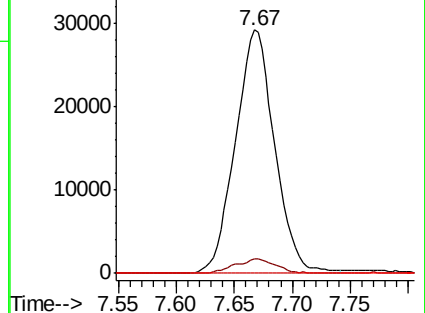
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 0.54 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051348.D

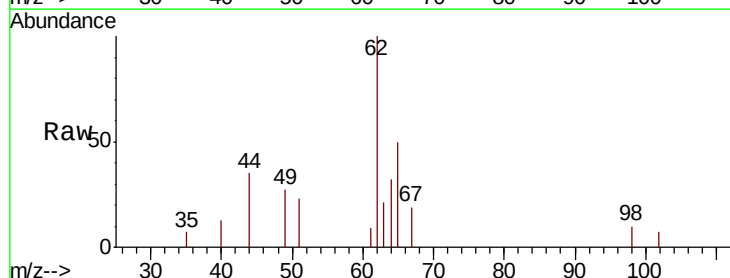
Acq: 20 Sep 2018 18:55

Tgt Ion: 62 Resp: 5896

Ion Ratio Lower Upper

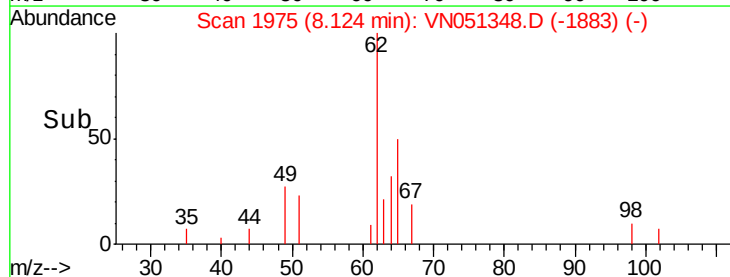
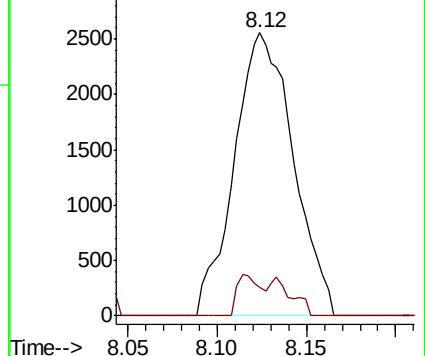
62 100

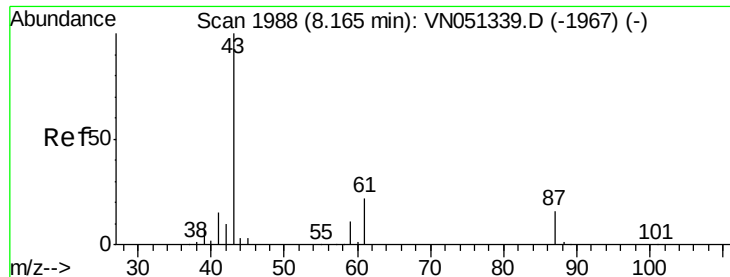
98 5.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): V

Ion 97.90 (97.60 to 98.60): V





#43

Isopropyl Acetate

Concen: 2.04 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.07 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

OILY-WATER

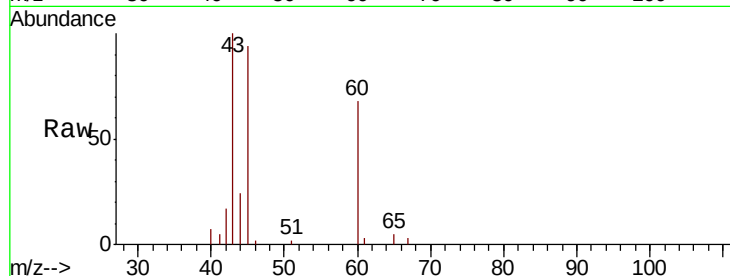
Tot Ion: 43 Resp: 21342

Ion Ratio Lower Upper

43 100

61 1.3 18.1 27.1#

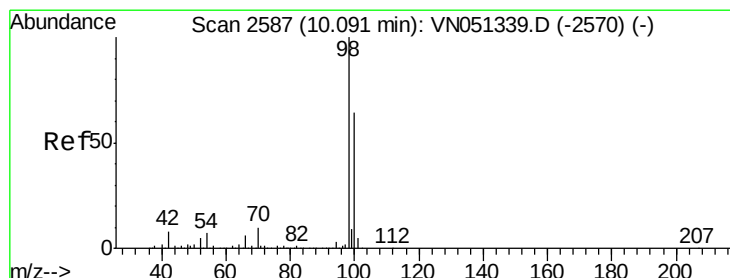
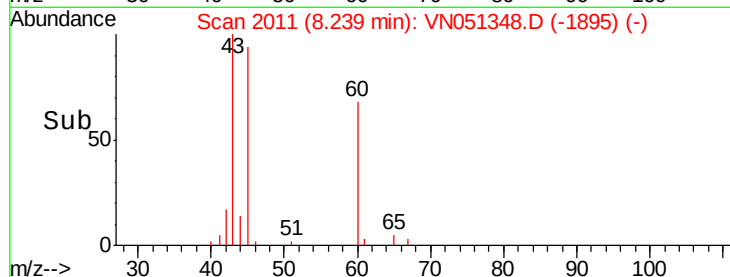
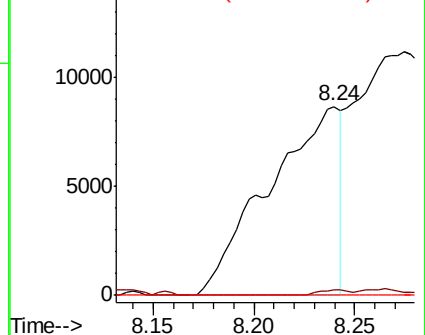
87 0.0 12.8 19.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051339.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051339.D (-1967) (-)



#50

Toluene-d8

Concen: 44.13 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051348.D

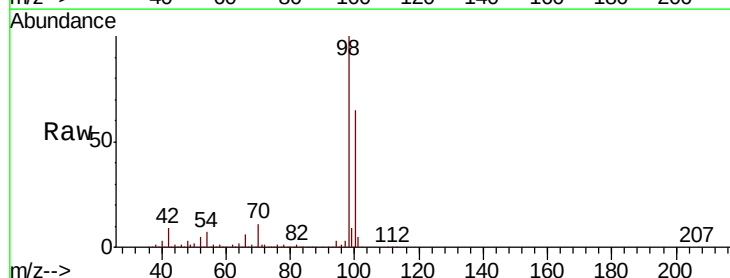
Acq: 20 Sep 2018 18:55

Tgt Ion: 98 Resp: 1616060

Ion Ratio Lower Upper

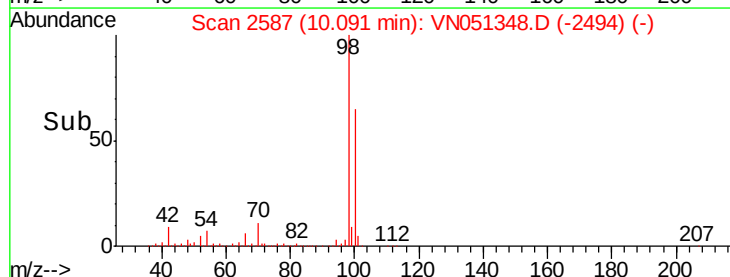
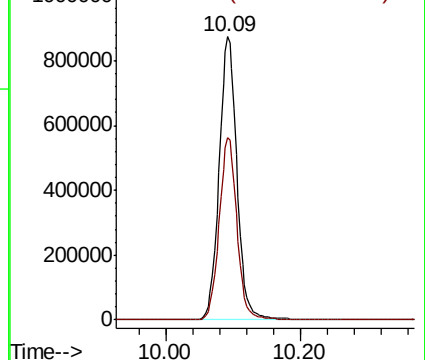
98 100

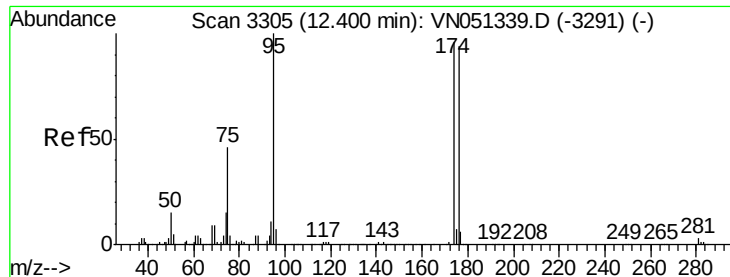
100 64.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN051339.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051339.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: 37.86 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

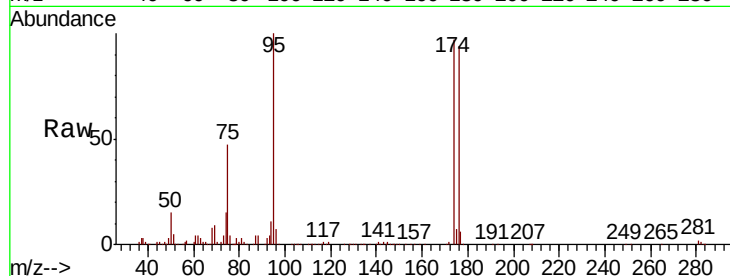
Tot Ion: 95 Resp: 451084

Ion Ratio Lower Upper

95 100

174 96.2 0.0 194.6

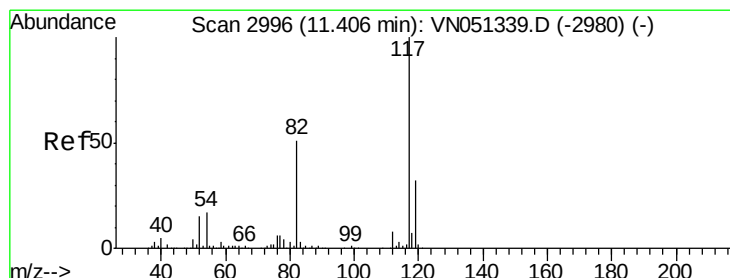
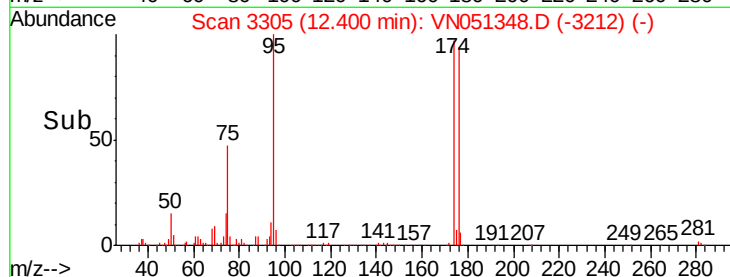
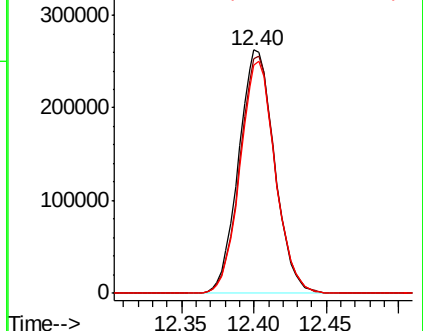
176 93.5 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): VN051339.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051339.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051339.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

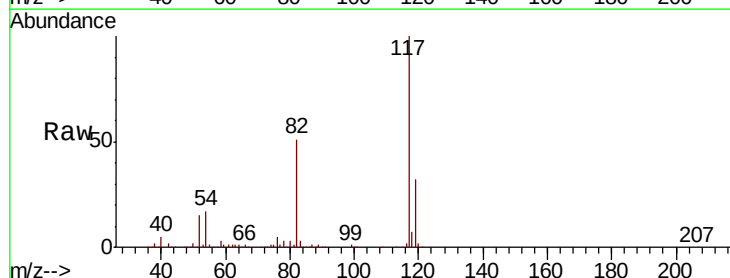
Tgt Ion: 117 Resp: 1007047

Ion Ratio Lower Upper

117 100

82 50.8 40.7 61.1

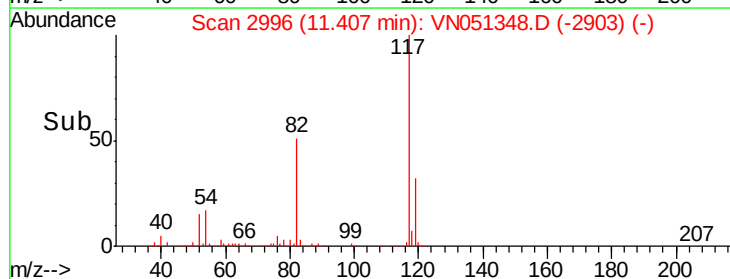
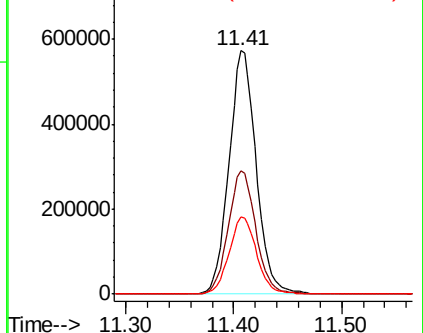
119 31.5 25.3 37.9

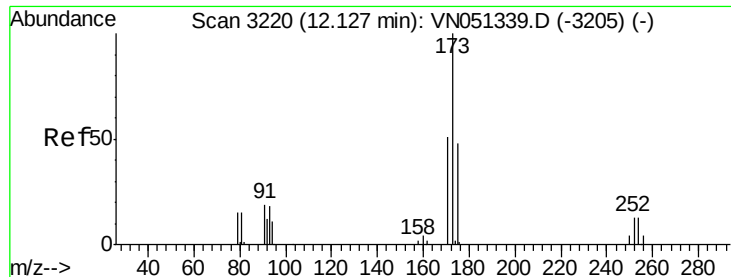


Abundance Ion 116.90 (116.60 to 117.60): VN051339.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051339.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051339.D (-2980) (-)





#71

Bromoform

Concen: 0.28 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

OILY-WATER

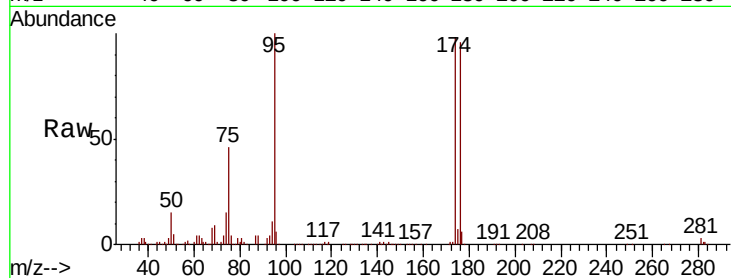
Tot Ion:173 Resp: 1758

Ion Ratio Lower Upper

173 100

175 1562.3 24.3 73.0#

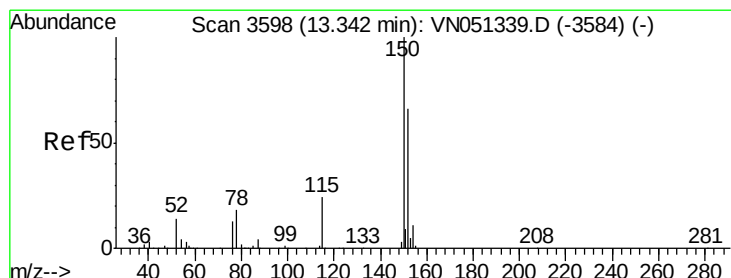
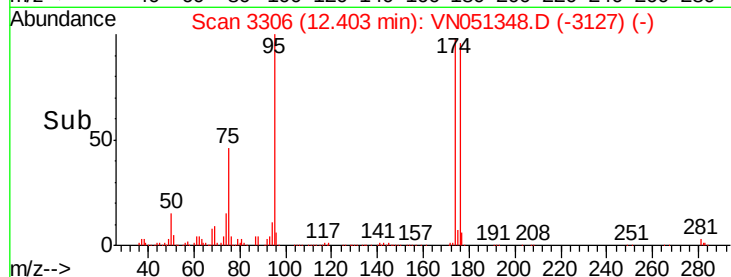
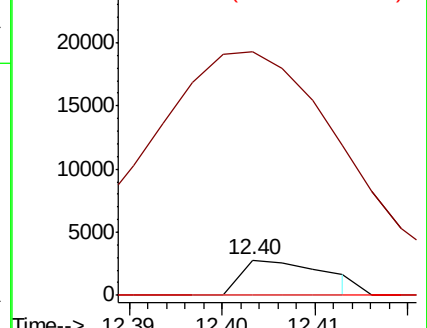
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

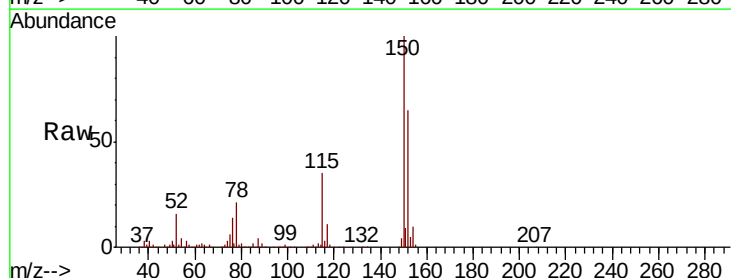
Tgt Ion:152 Resp: 393045

Ion Ratio Lower Upper

152 100

115 54.1 26.9 80.7

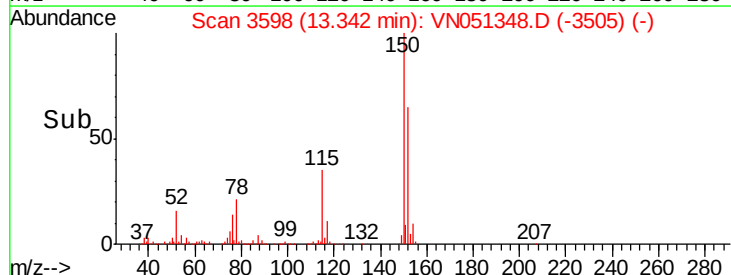
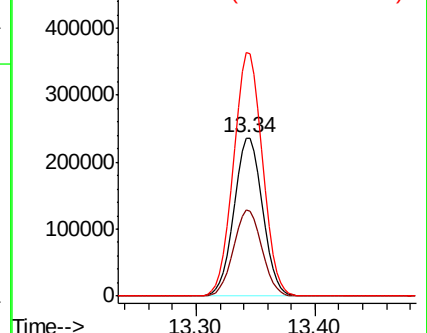
150 156.1 0.0 345.0

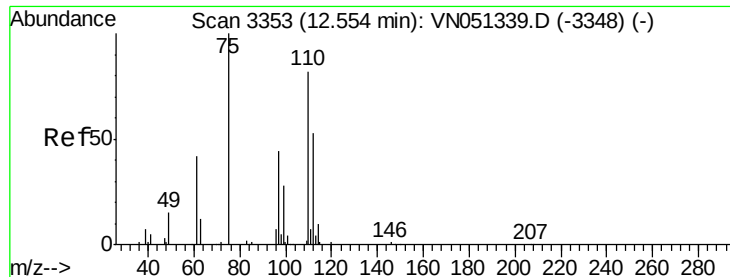


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.00 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

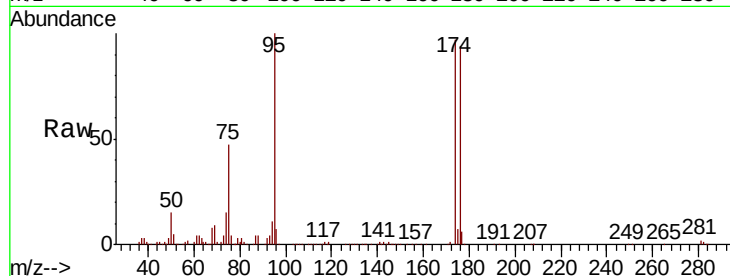
OILY-WATER

Tot Ion: 75 Resp: 204318

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

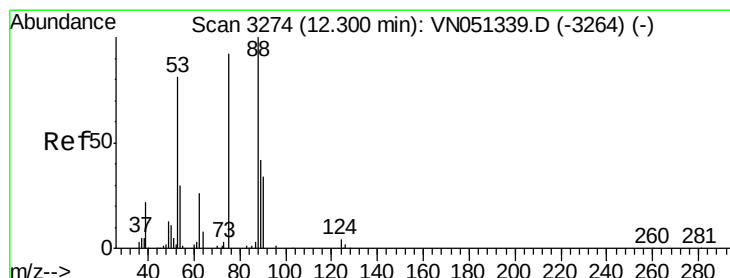
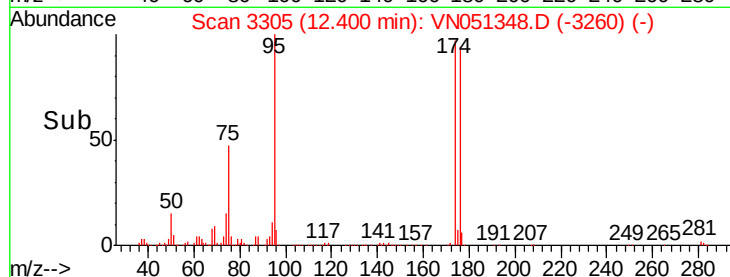
Ion 77.00 (76.70 to 77.70): VNO

12.40

100000

50000

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 124.62 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051348.D

Acq: 20 Sep 2018 18:55

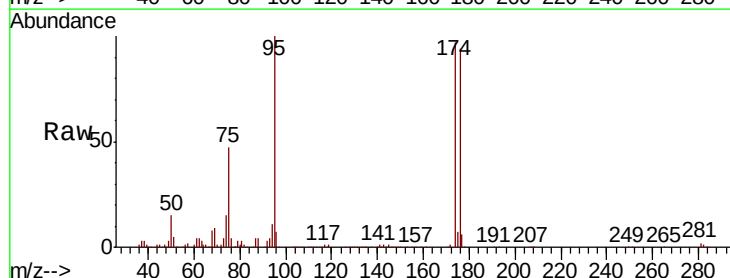
Tgt Ion: 75 Resp: 204318

Ion Ratio Lower Upper

75 100

53 0.1 69.9 104.9#

89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

150000

100000

50000

Time--> 12.30 12.40 12.50

