

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051347.D
 Acq On : 20 Sep 2018 18:31
 Operator : MD\SY
 Sample : J4993-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NS-OILY-WATER

Quant Time: Sep 21 06:43:48 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	827203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1192761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1004539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	444531	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.59	113	450484	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	10.09	98	1612905	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	
62) 4-Bromofluorobenzene	12.40	95	459062	38.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.16%	

Target Compounds

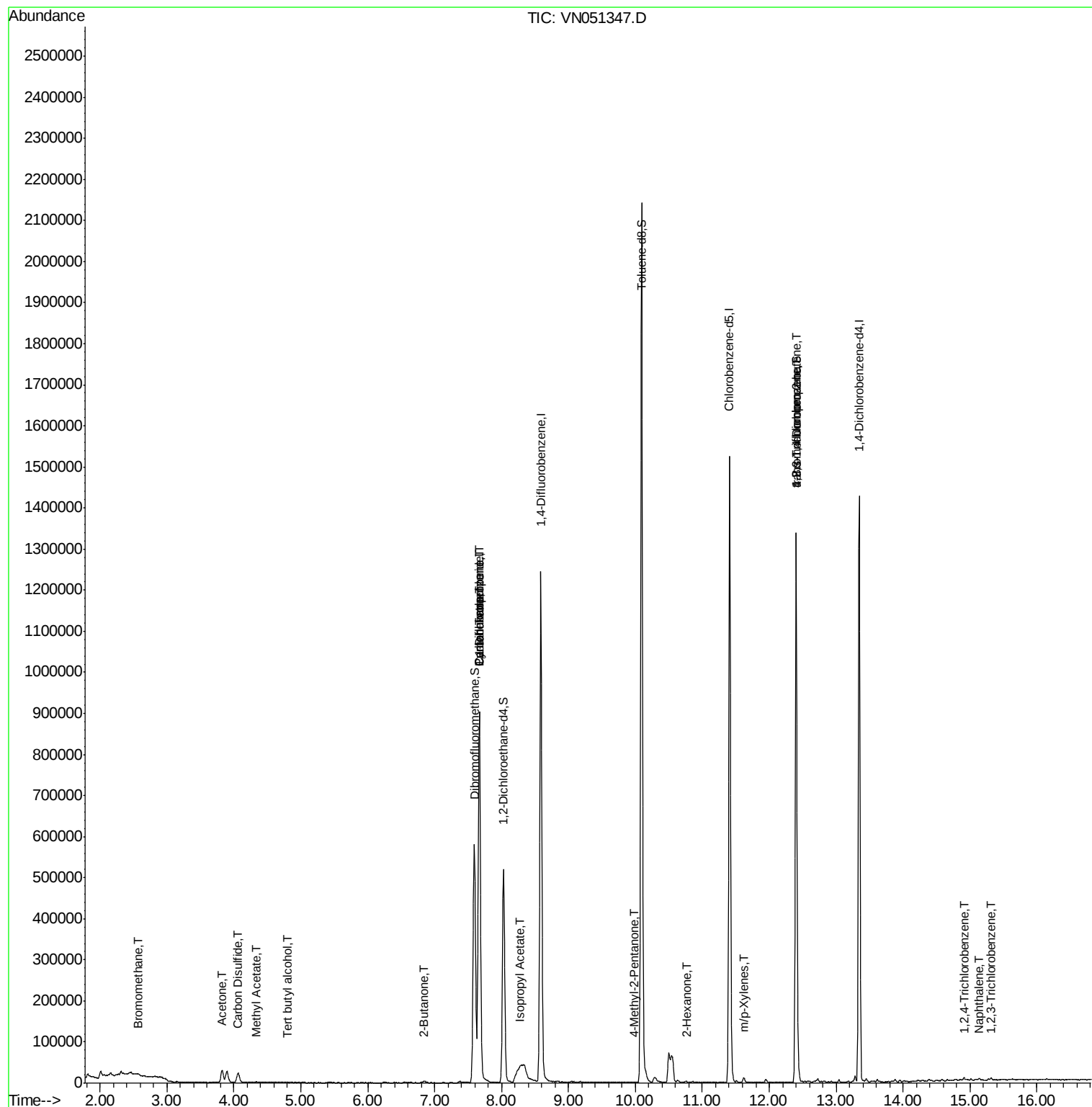
						Qvalue
5) Bromomethane	2.57	94	1619	0.24	ug/l	98
11) Tert butyl alcohol	4.80	59	153	0.32	ug/l #	72
16) Acetone	3.82	43	52576	28.55	ug/l	92
17) Carbon Disulfide	4.06	76	24498	1.05	ug/l #	93
18) Methyl Acetate	4.34	43	2958	0.47	ug/l #	58
25) 2-Butanone	6.85	43	3825	1.49	ug/l	90
31) Cyclohexane	7.67	56	12259	0.85	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	50396	4.13	ug/l #	48
38) Carbon Tetrachloride	7.67	117	69029	5.23	ug/l #	16
43) Isopropyl Acetate	8.26	43	39266	3.71	ug/l #	59
51) 4-Methyl-2-Pentanone	9.99	43	1235	0.22	ug/l #	33
59) 2-Hexanone	10.76	43	947	0.25	ug/l	63
68) m/p-Xylenes	11.62	106	4511	0.31	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	208318	33.74	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	208318	116.81	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	1539	0.24	ug/l	91
95) Naphthalene	15.14	128	3998	0.35	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	1775	0.28	ug/l	91

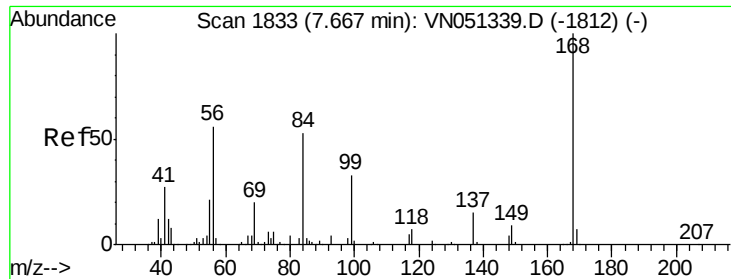
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 21 03:27:45 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

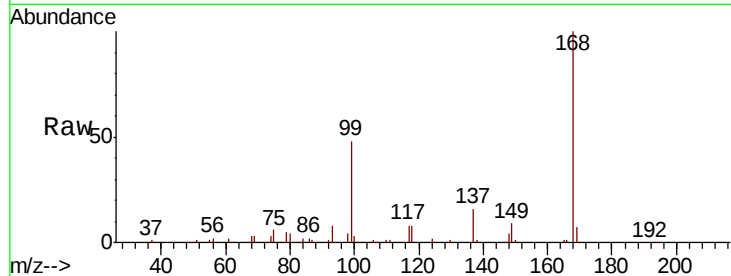
NS-OILY-WATER

Tot Ion:168 Resp: 827203

Ion Ratio Lower Upper

168 100

99 48.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

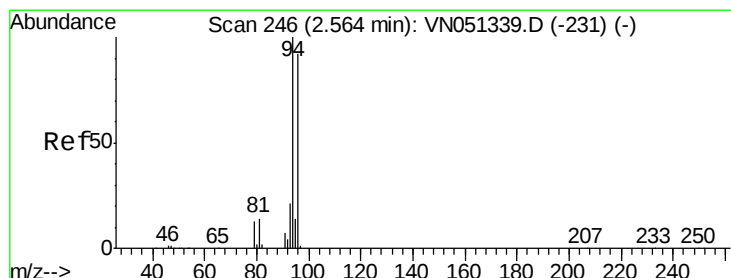
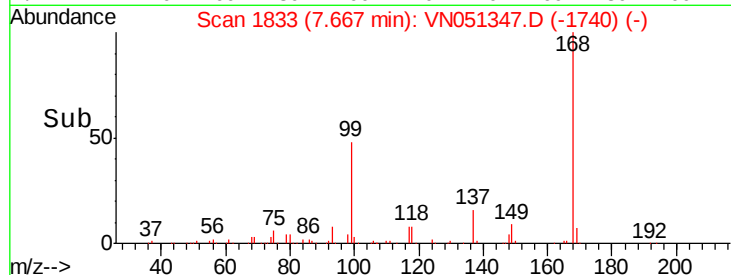
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.24 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051347.D

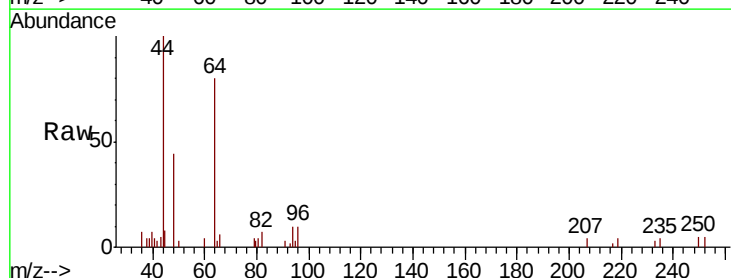
Acq: 20 Sep 2018 18:31

Tgt Ion: 94 Resp: 1619

Ion Ratio Lower Upper

94 100

96 93.9 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

800

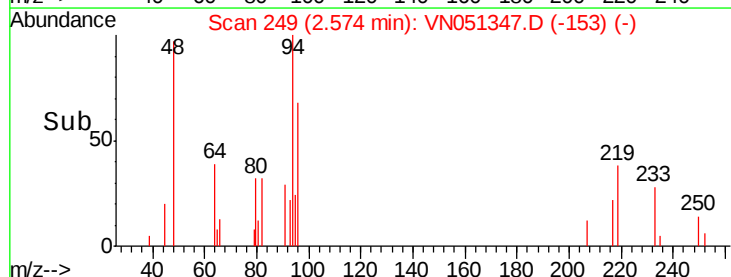
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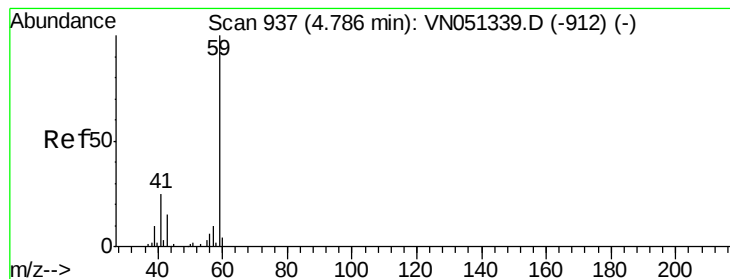
400

200

0

Time-->



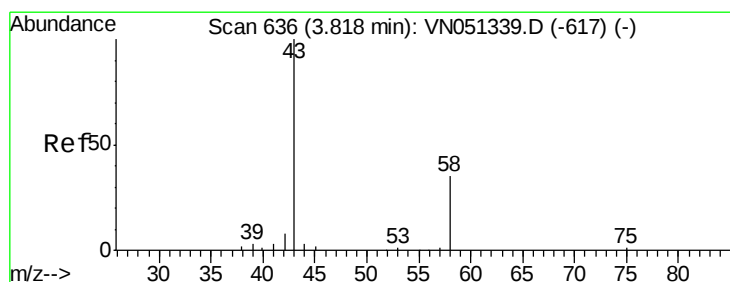
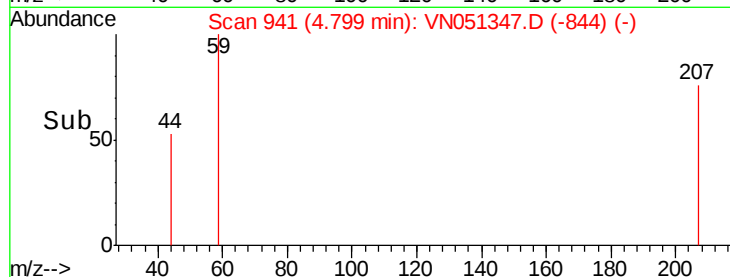
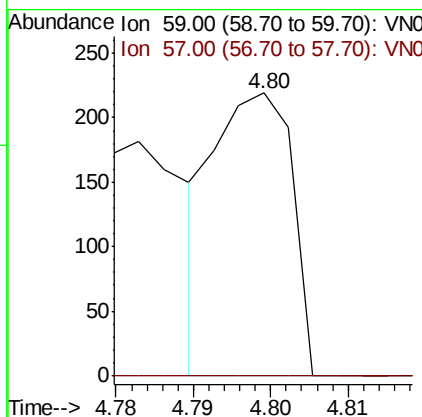
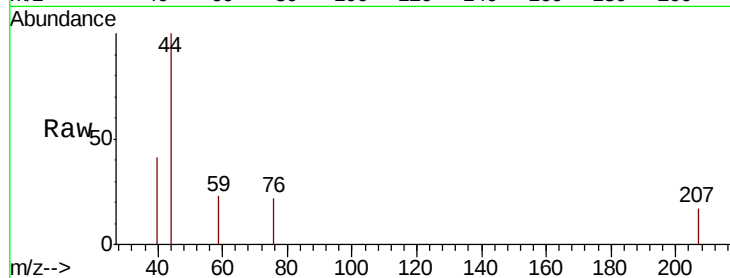


#11

Tert butyl alcohol
 Concen: 0.32 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051347.D
 Acq: 20 Sep 2018 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 NS-OILY-WATER

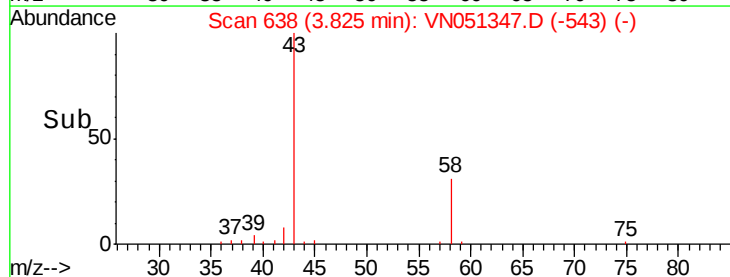
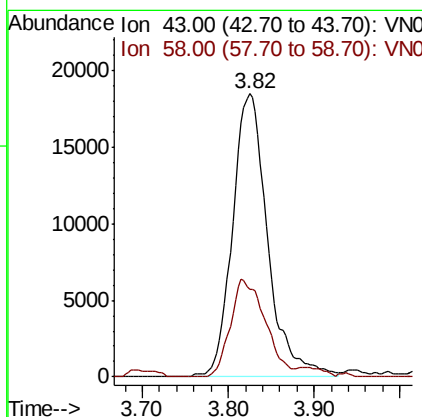
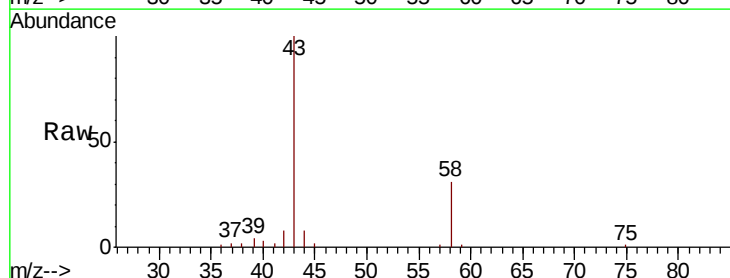
Tot Ion: 59 Resp: 153
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

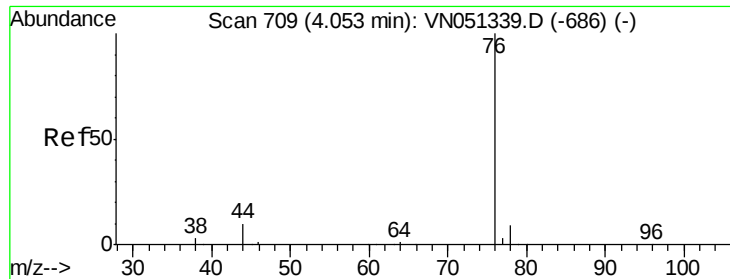


#16

Acetone
 Concen: 28.55 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN051347.D
 Acq: 20 Sep 2018 18:31

Tgt Ion: 43 Resp: 52576
 Ion Ratio Lower Upper
 43 100
 58 31.0 28.3 42.5

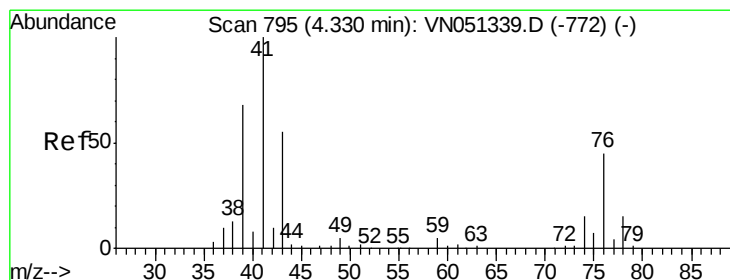
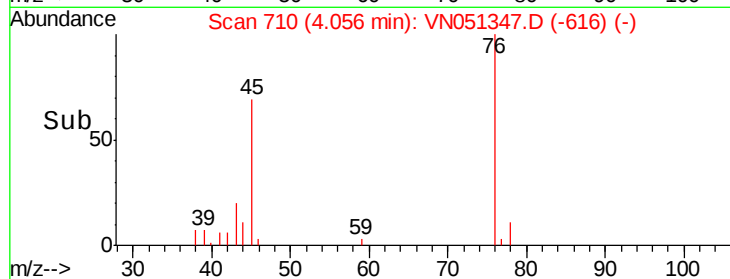
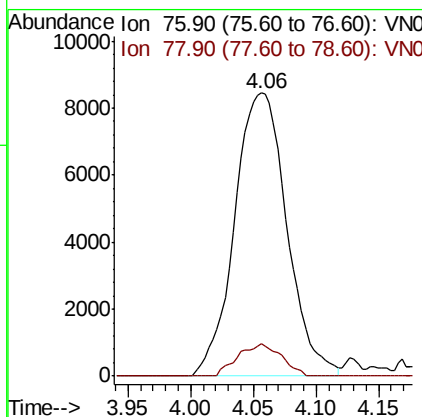
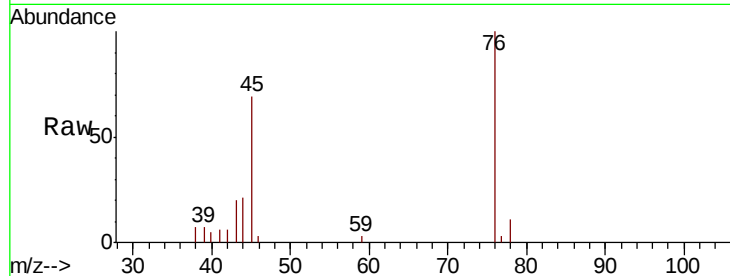




#17
Carbon Disulfide
Concen: 1.05 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN051347.D
Acq: 20 Sep 2018 18:31

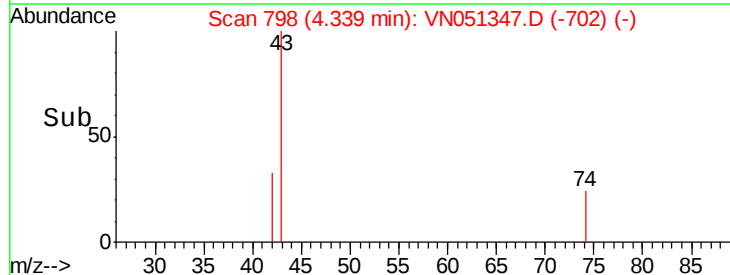
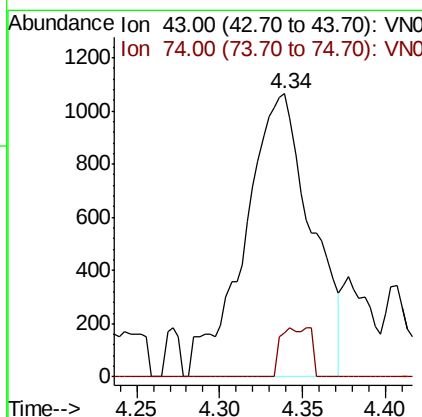
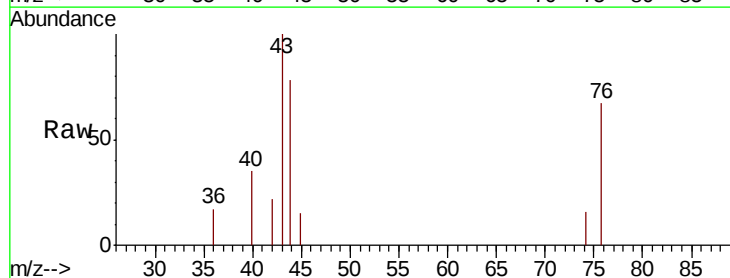
Instrument :
MSVOA_N
ClientSampleId :
NS-OILY-WATER

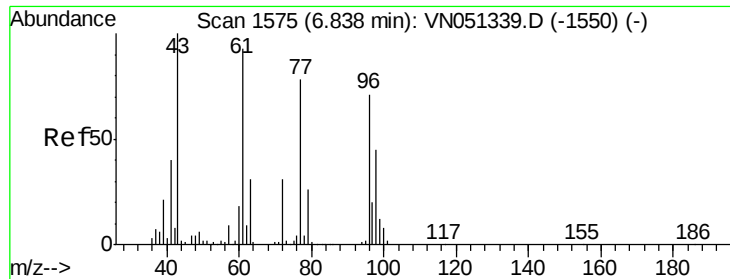
Tot Ion: 76 Resp: 24498
Ion Ratio Lower Upper
76 100
78 11.4 7.0 10.6#



#18
Methyl Acetate
Concen: 0.47 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051347.D
Acq: 20 Sep 2018 18:31

Tgt Ion: 43 Resp: 2958
Ion Ratio Lower Upper
43 100
74 5.5 21.7 32.5#





#25

2-Butanone

Concen: 1.49 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

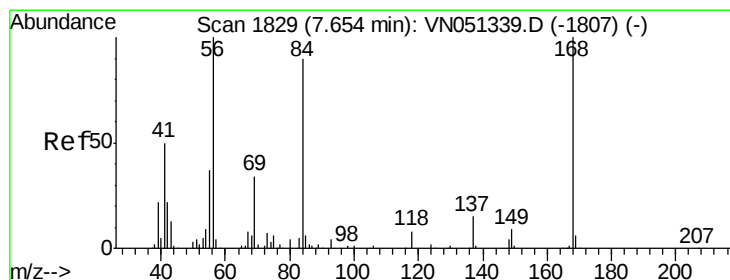
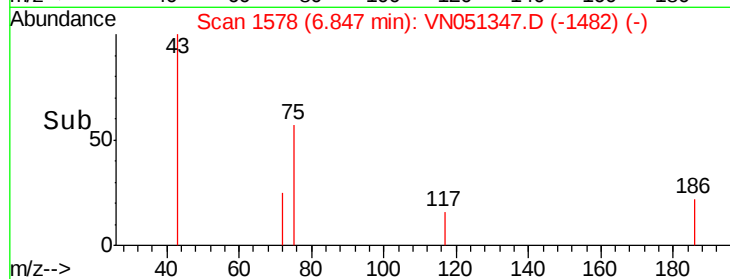
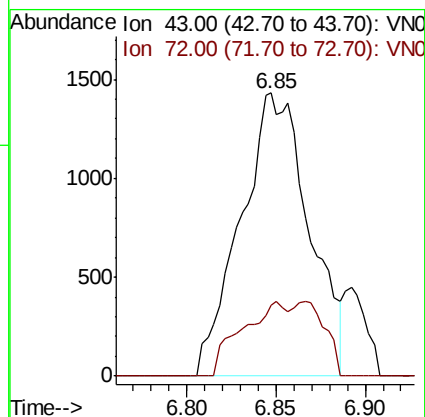
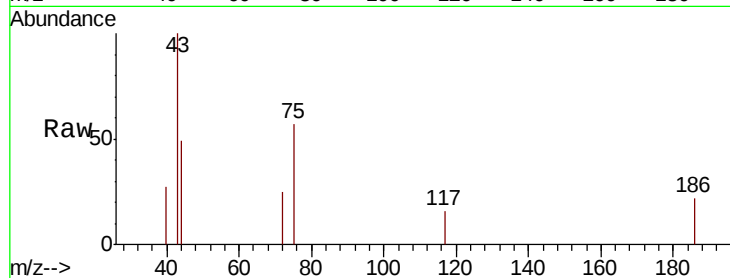
NS-OILY-WATER

Tot Ion: 43 Resp: 3825

Ion Ratio Lower Upper

43 100

72 25.2 24.7 37.1



#31

Cyclohexane

Concen: 0.85 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

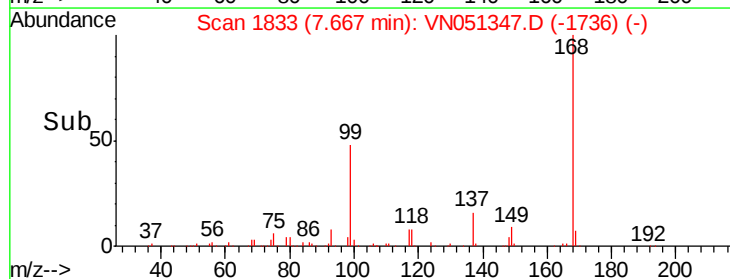
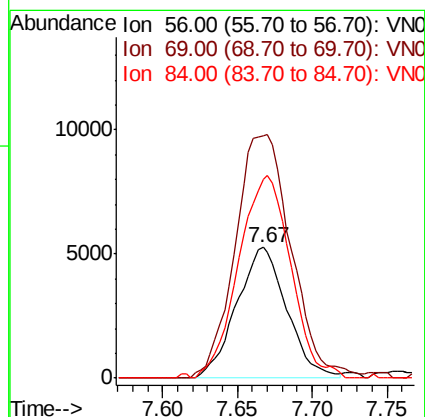
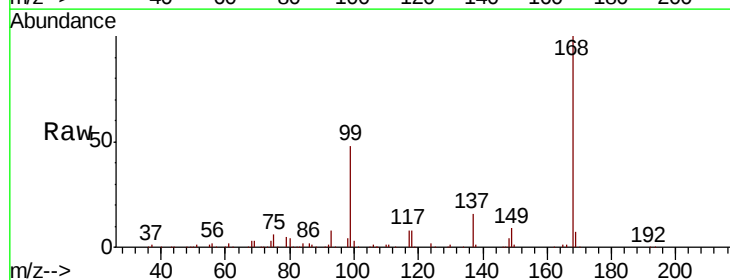
Tgt Ion: 56 Resp: 12259

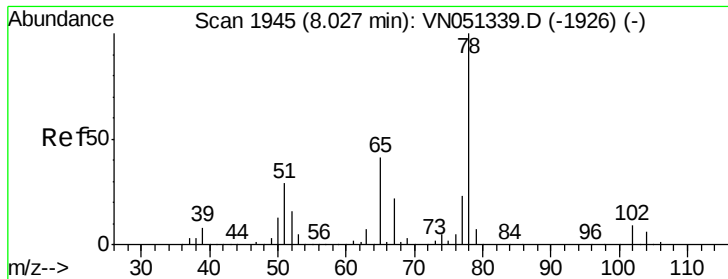
Ion Ratio Lower Upper

56 100

69 185.7 27.3 40.9#

84 151.8 72.2 108.2#

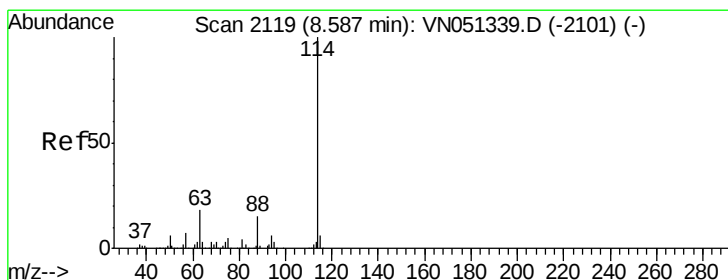
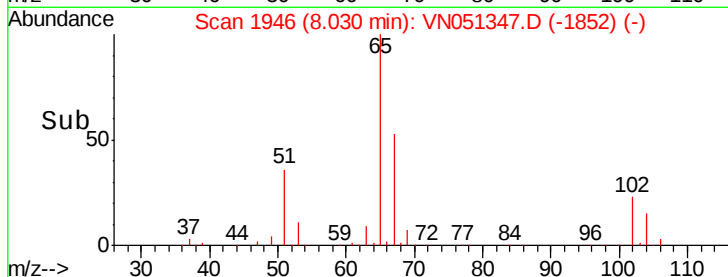
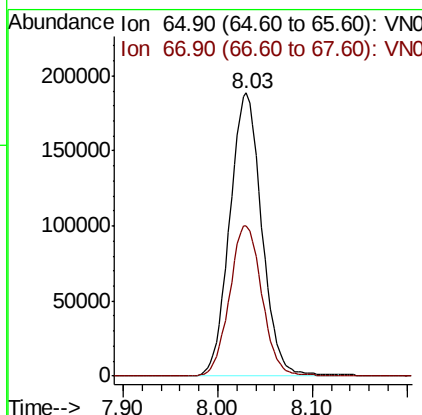
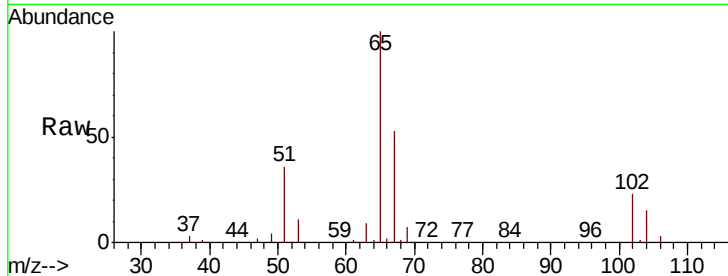




#33
 1,2-Dichloroethane-d4
 Concen: 49.58 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051347.D
 Acq: 20 Sep 2018 18:31

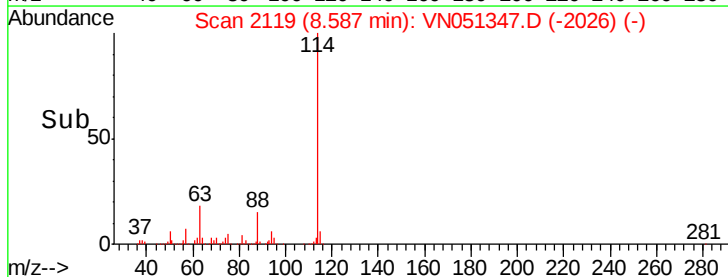
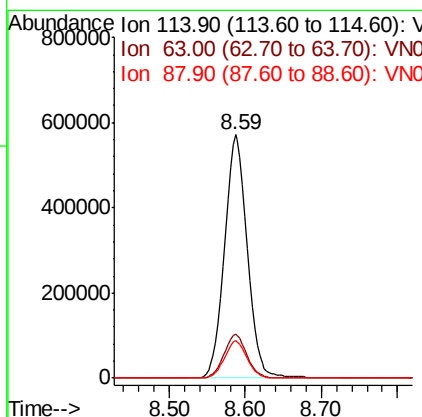
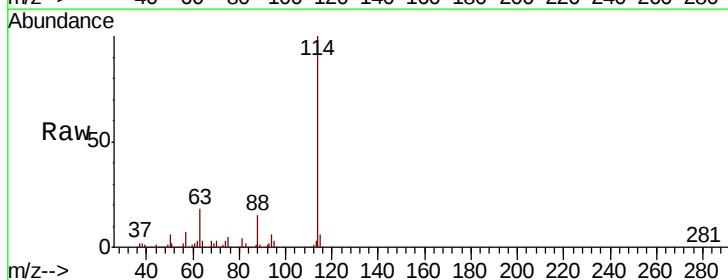
Instrument :
 MSVOA_N
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 NS-OILY-WATER

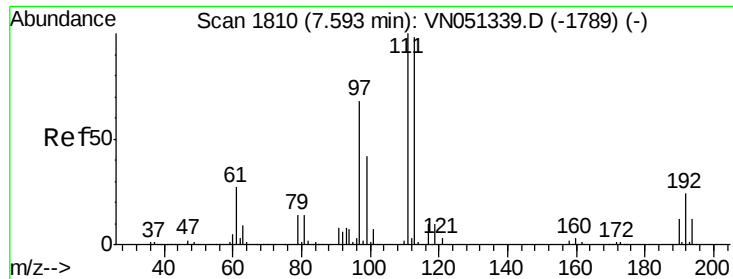
Tot Ion: 65 Resp: 444531
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051347.D
 Acq: 20 Sep 2018 18:31

Tgt Ion: 114 Resp: 1192761
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.6
 88 15.3 0.0 29.8

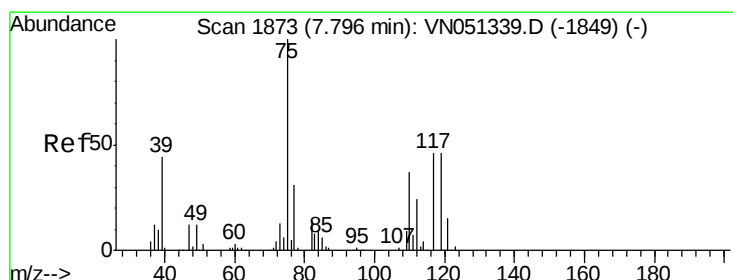
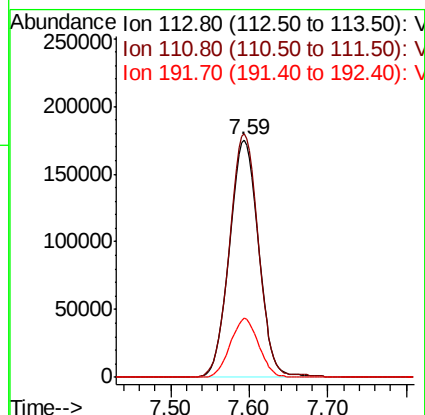
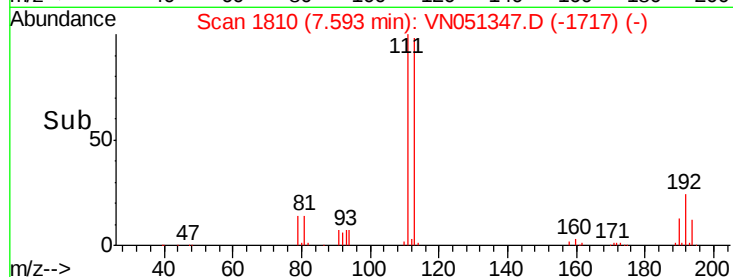
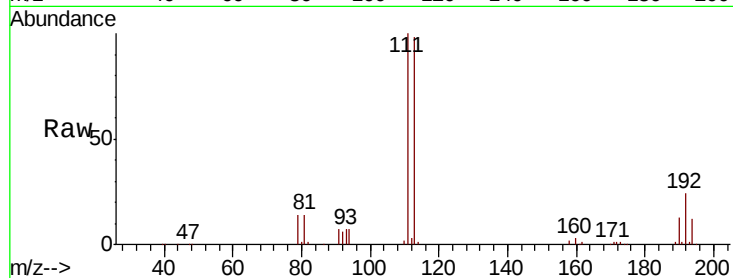




#35
 Dibromofluoromethane
 Concen: 46.74 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051347.D
 Acq: 20 Sep 2018 18:31

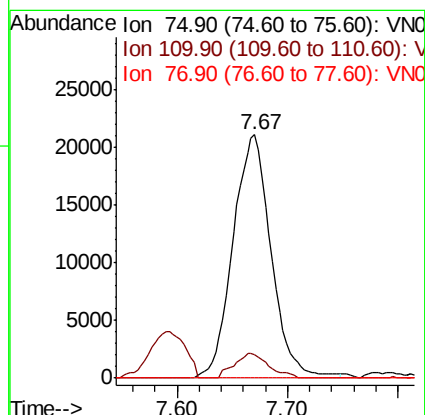
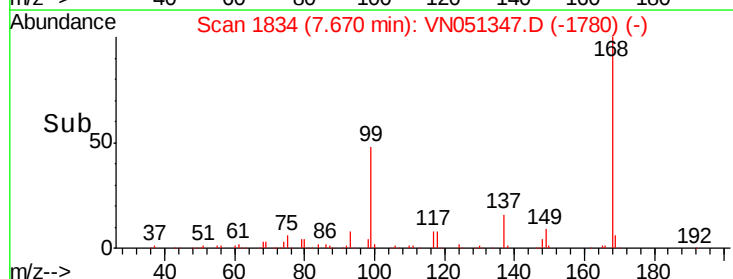
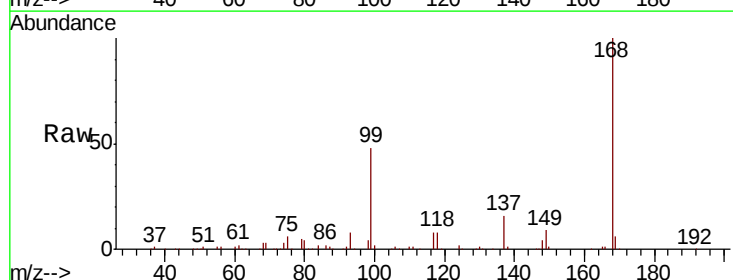
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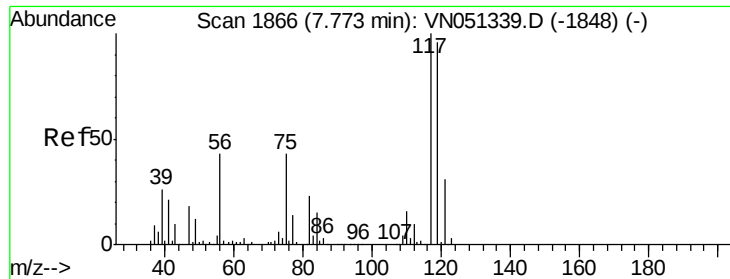
Tot Ion:113 Resp: 450484
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.9 122.9
 192 24.2 19.8 29.6



#36
 1,1-Dichloropropene
 Concen: 4.13 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.13 min
 Lab File: VN051347.D
 Acq: 20 Sep 2018 18:31

Tgt Ion: 75 Resp: 50396
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.9 56.5#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.23 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

NS-OILY-WATER

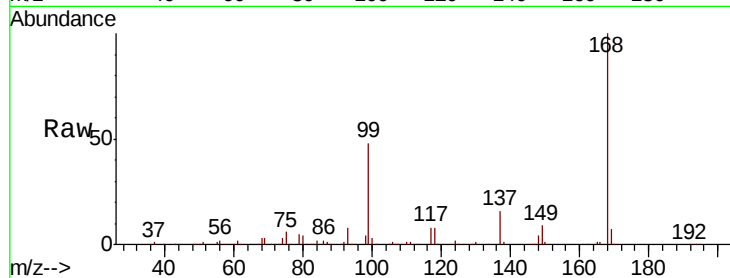
Tot Ion:117 Resp: 69029

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.4#

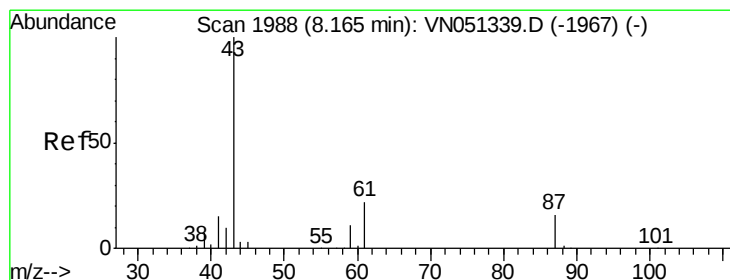
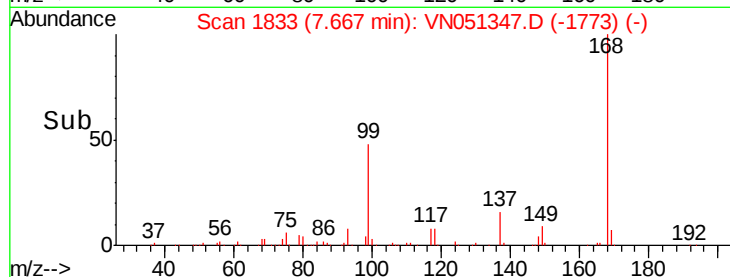
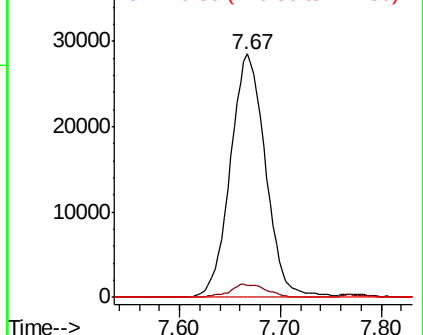
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 3.71 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

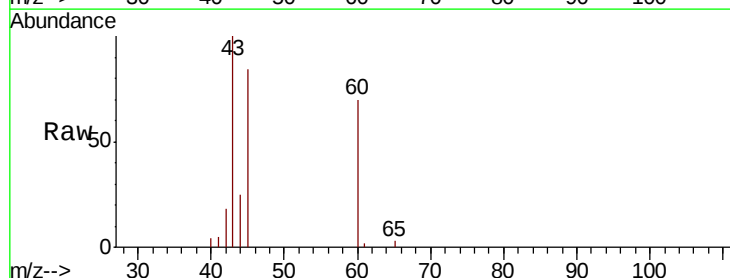
Tgt Ion: 43 Resp: 39266

Ion Ratio Lower Upper

43 100

61 1.7 18.1 27.1#

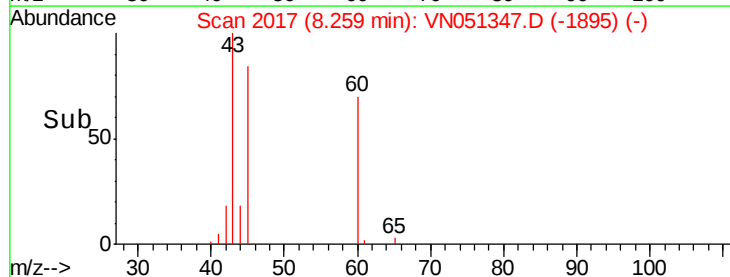
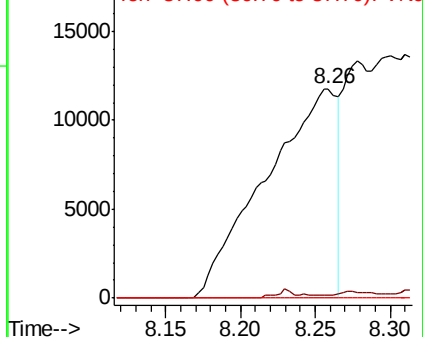
87 0.0 12.8 19.2#

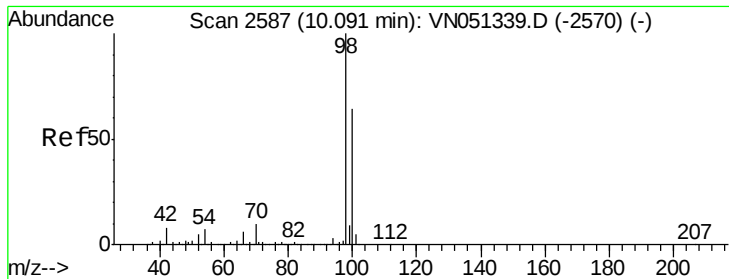


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 43.53 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

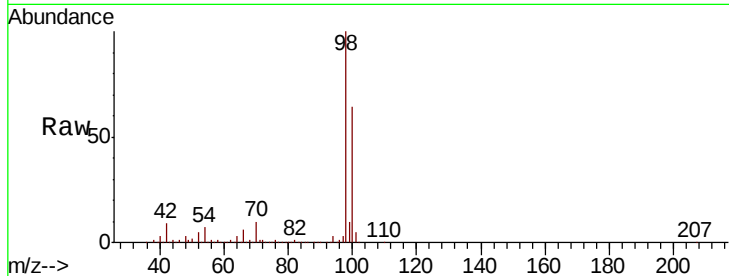
NS-OILY-WATER

Tot Ion: 98 Resp: 1612905

Ion Ratio Lower Upper

98 100

100 64.0 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) (-)

10.09

800000

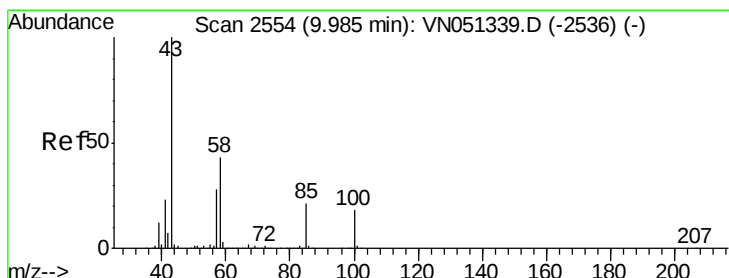
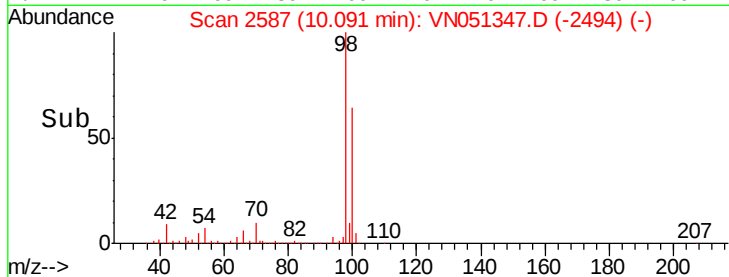
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.22 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051347.D

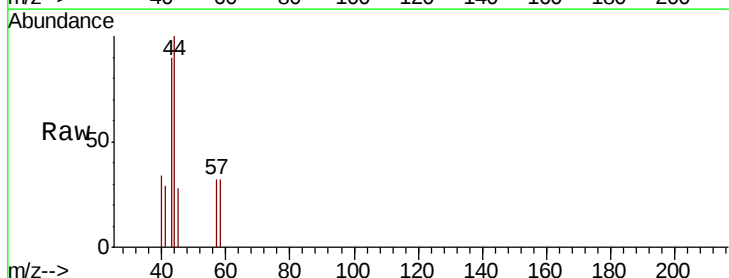
Acq: 20 Sep 2018 18:31

Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

43 100

58 0.0 34.2 51.4#



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-2536) (-)

9.99

1000

800

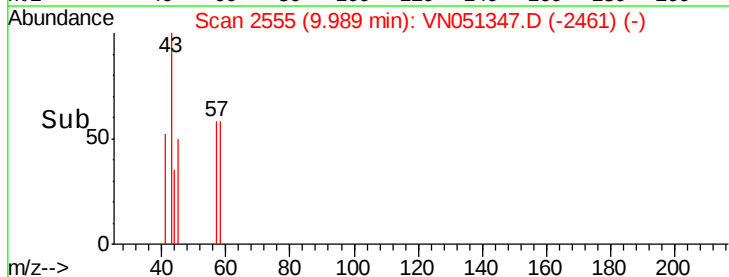
600

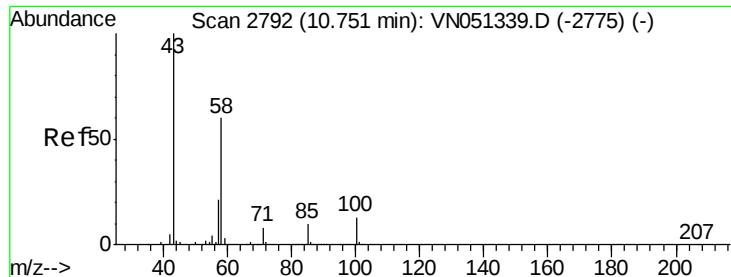
400

200

0

Time-->

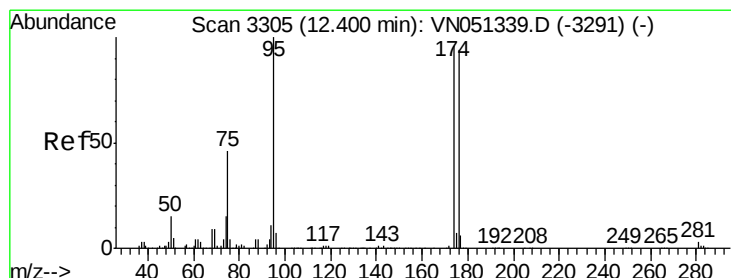
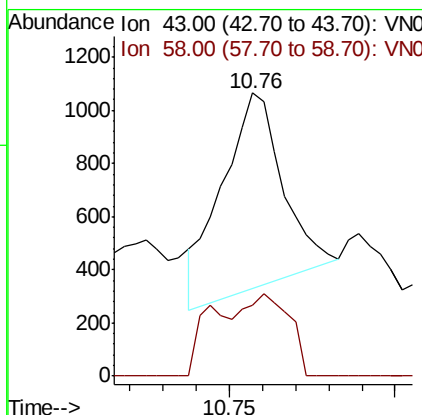
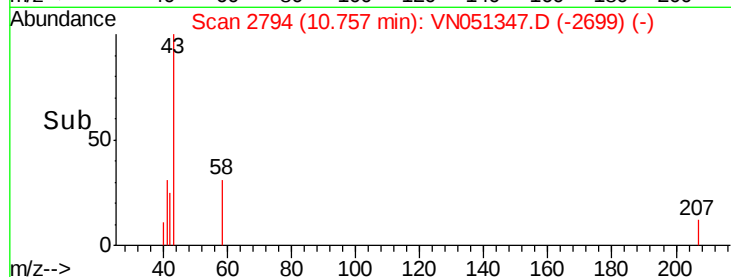
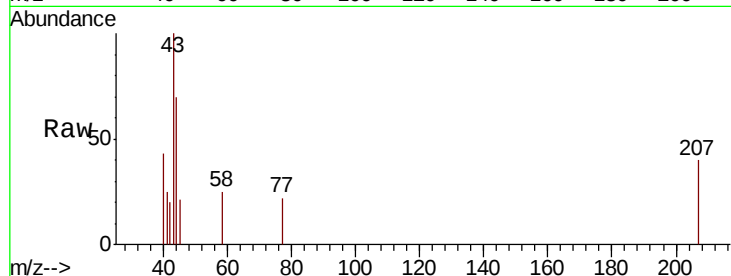




#59
2-Hexanone
Concen: 0.25 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN051347.D
Acq: 20 Sep 2018 18:31

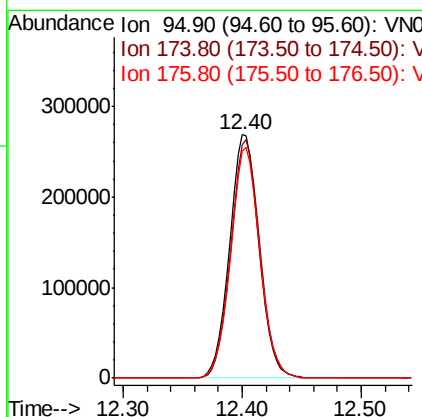
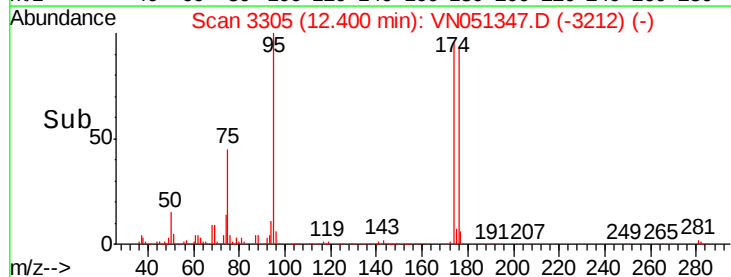
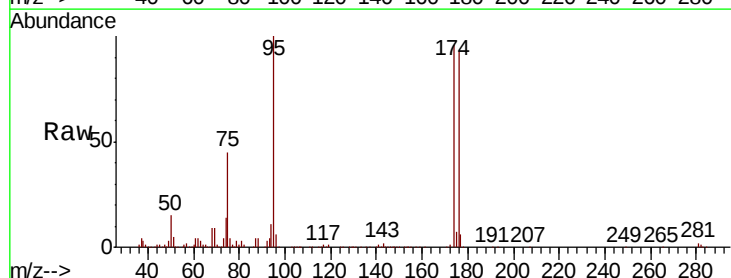
Instrument :
MSVOA_N
ClientSampleId :
NS-OILY-WATER

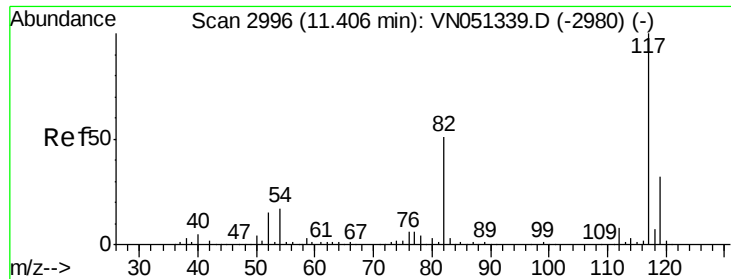
Tot Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
58 31.7 29.9 89.8



#62
4-Bromofluorobenzene
Concen: 38.08 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051347.D
Acq: 20 Sep 2018 18:31

Tgt Ion: 95 Resp: 459062
Ion Ratio Lower Upper
95 100
174 97.4 0.0 194.6
176 93.9 0.0 189.6

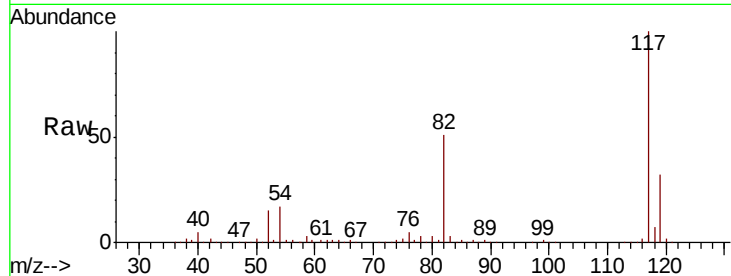




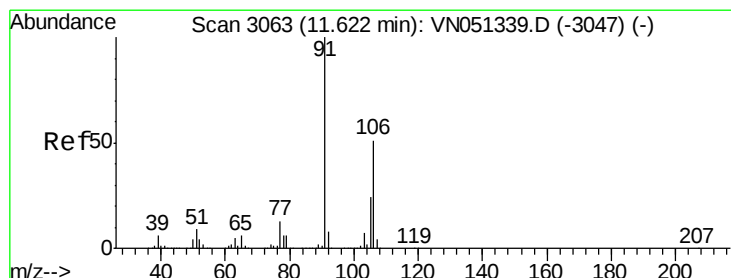
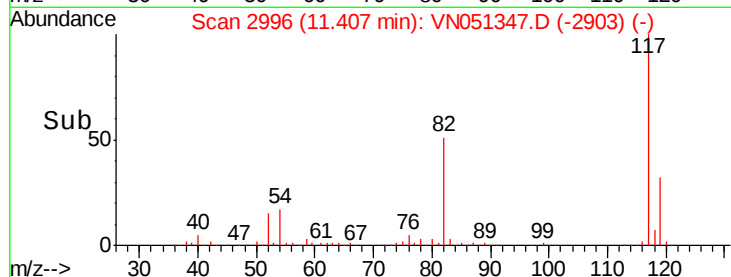
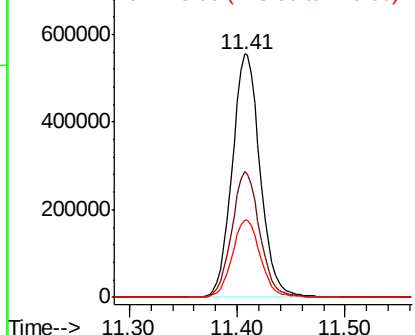
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051347.D
Acq: 20 Sep 2018 18:31

Instrument :
MSVOA_N
ClientSampleId :
NS-OILY-WATER

Tot Ion:117 Resp: 1004539
Ion Ratio Lower Upper
117 100
82 51.5 40.7 61.1
119 31.7 25.3 37.9

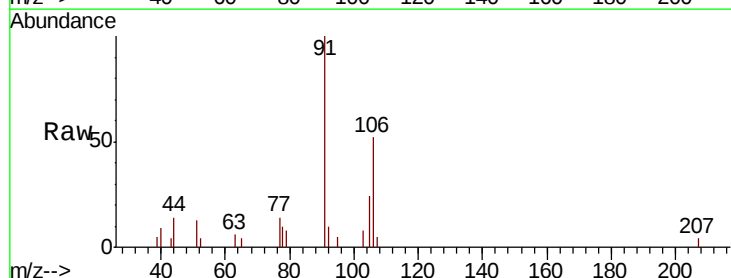


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

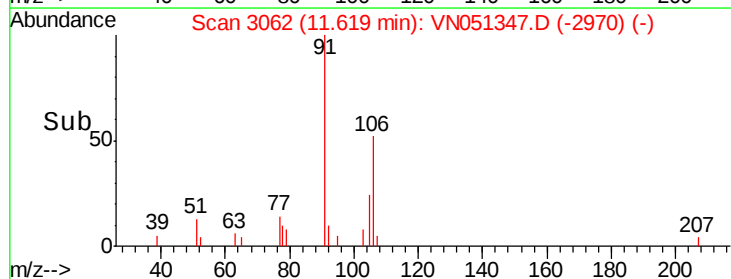
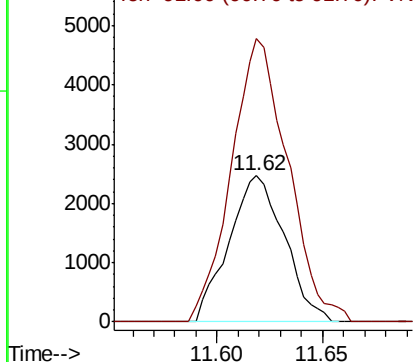


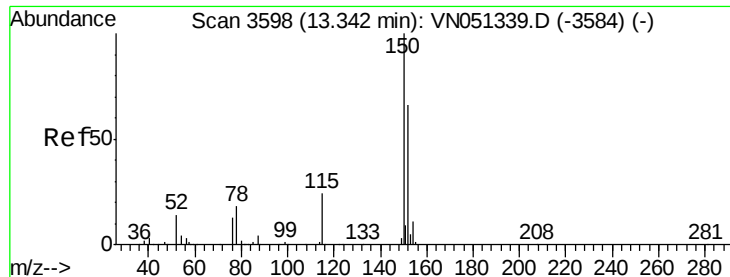
#68
m/p-Xylenes
Concen: 0.31 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051347.D
Acq: 20 Sep 2018 18:31

Tgt Ion:106 Resp: 4511
Ion Ratio Lower Upper
106 100
91 197.6 156.5 234.7



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: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

NS-OILY-WATER

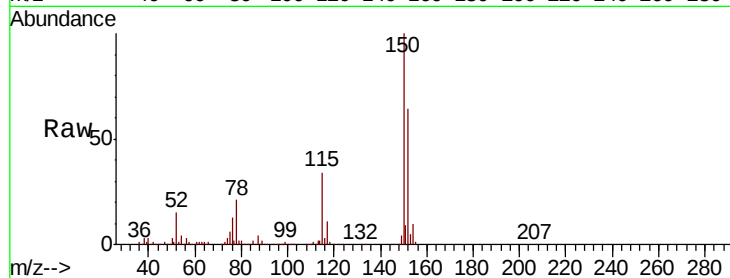
Tot Ion:152 Resp: 427543

Ion Ratio Lower Upper

152 100

115 54.1 26.9 80.7

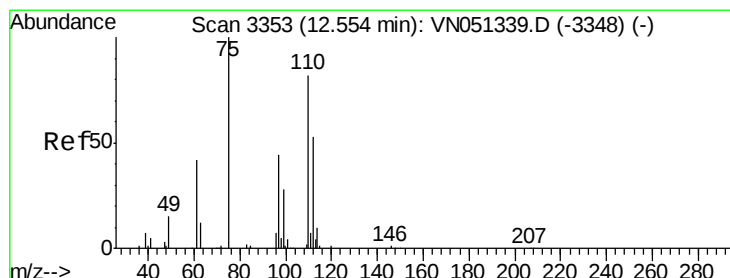
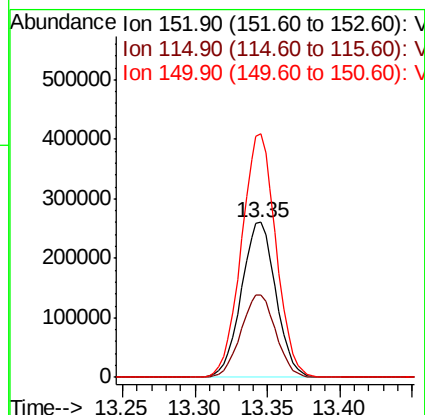
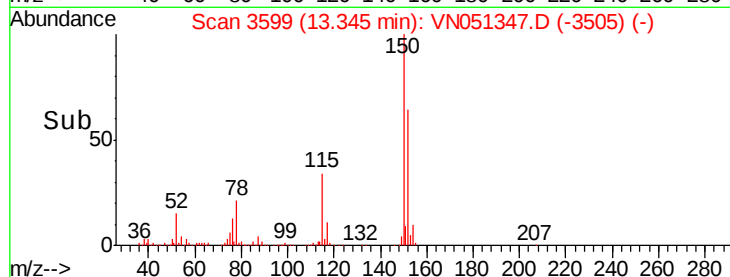
150 157.8 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 33.74 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051347.D

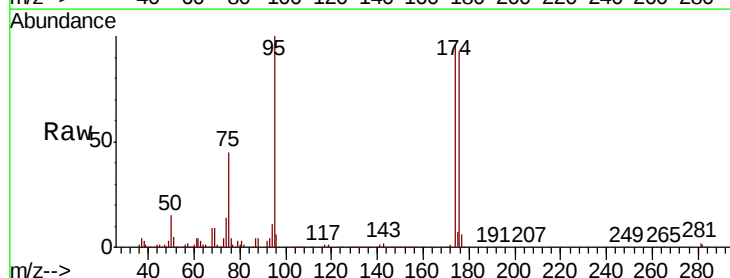
Acq: 20 Sep 2018 18:31

Tgt Ion: 75 Resp: 208318

Ion Ratio Lower Upper

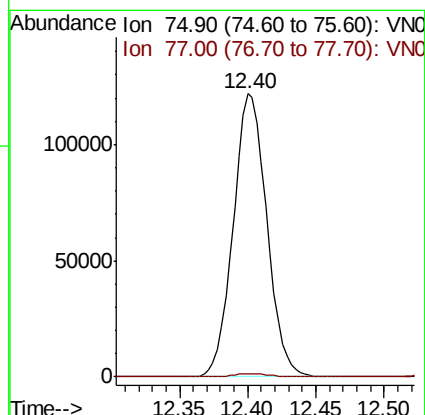
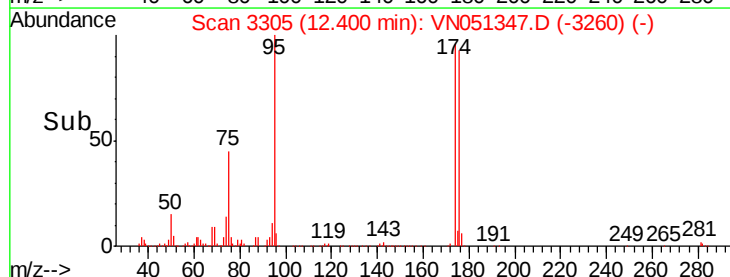
75 100

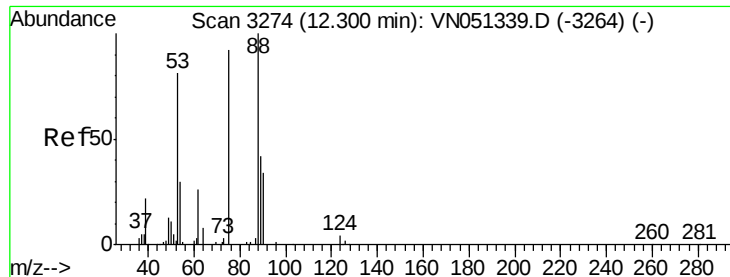
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 116.81 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

NS-OILY-WATER

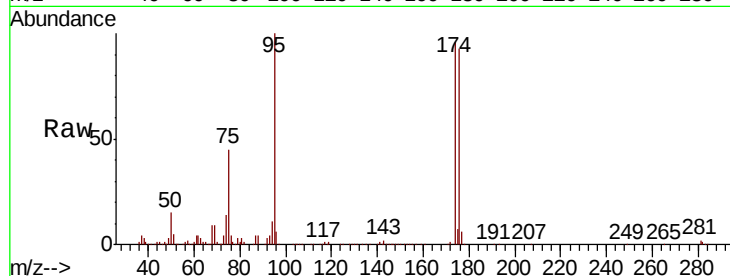
Tot Ion: 75 Resp: 208318

Ion Ratio Lower Upper

75 100

53 0.1 69.9 104.9#

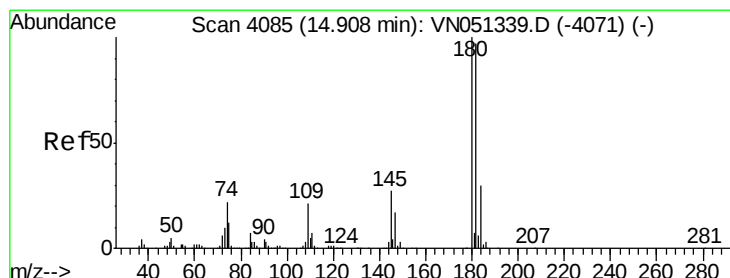
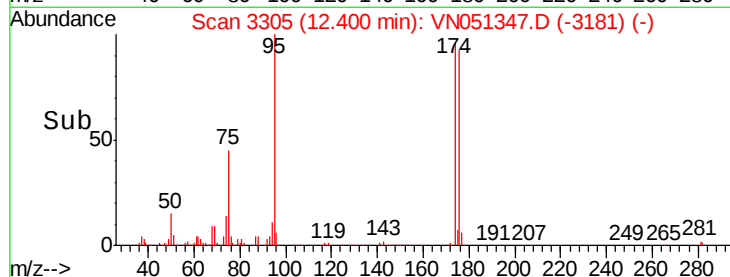
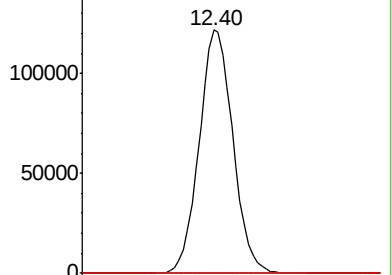
89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN051339.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN051339.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.24 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

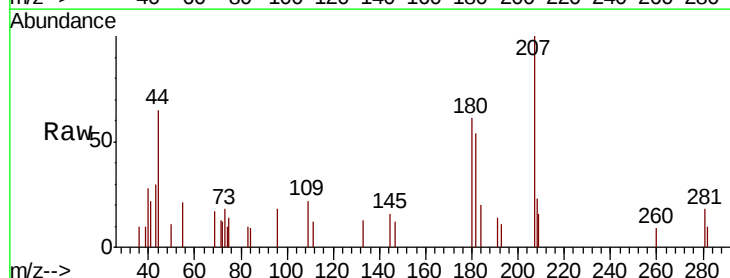
Tgt Ion: 180 Resp: 1539

Ion Ratio Lower Upper

180 100

182 107.3 48.4 145.2

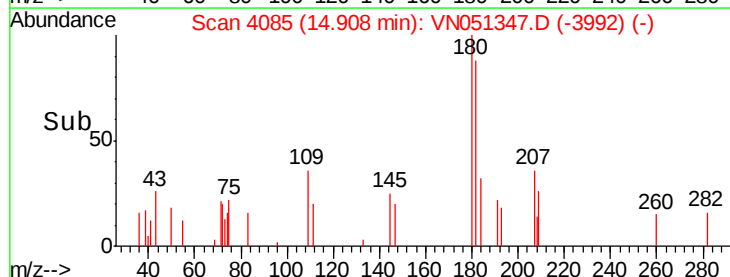
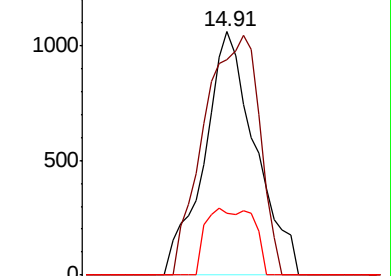
145 25.7 13.7 41.1

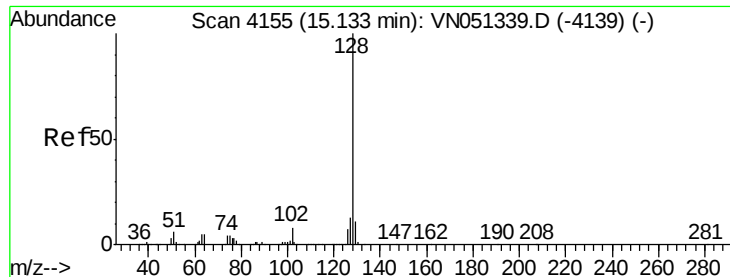


Abundance Ion 179.80 (179.50 to 180.50): VN051339.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN051339.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN051339.D (-4071) (-)





#95

Naphthalene

Concen: 0.35 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

Instrument :

MSVOA_N

ClientSampleId :

NS-OILY-WATER

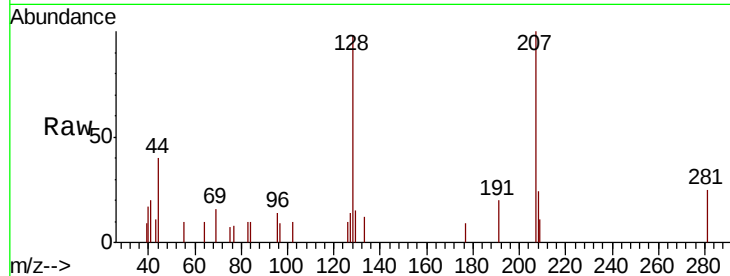
Tot Ion:128 Resp: 3998

Ion Ratio Lower Upper

128 100

127 7.5 10.3 15.5#

129 7.8 8.6 13.0#

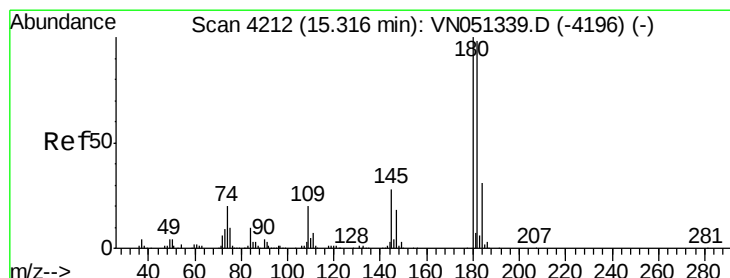
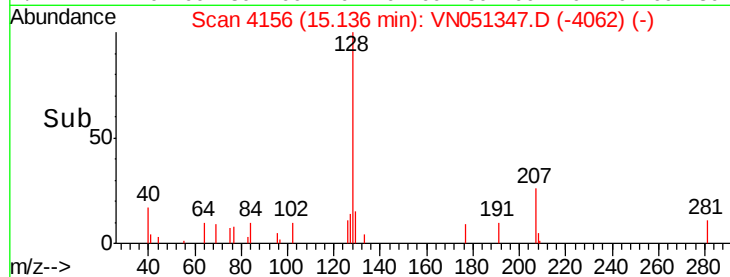
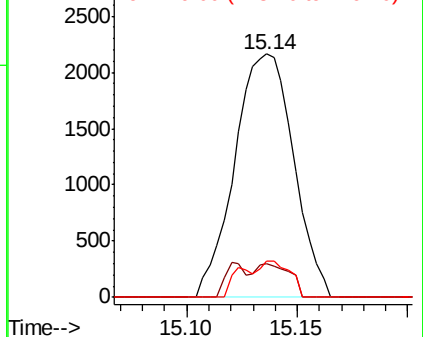


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.28 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051347.D

Acq: 20 Sep 2018 18:31

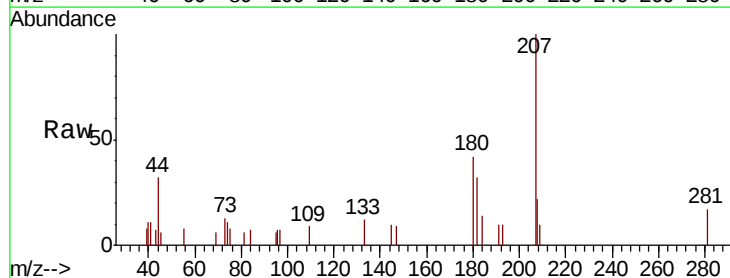
Tgt Ion:180 Resp: 1775

Ion Ratio Lower Upper

180 100

182 91.2 48.1 144.3

145 17.2 14.3 42.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

