

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061317.D
 Acq On : 6 May 2020 18:09
 Operator : JC/MD
 Sample : L2492-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-COMP

Quant Time: May 07 09:14:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

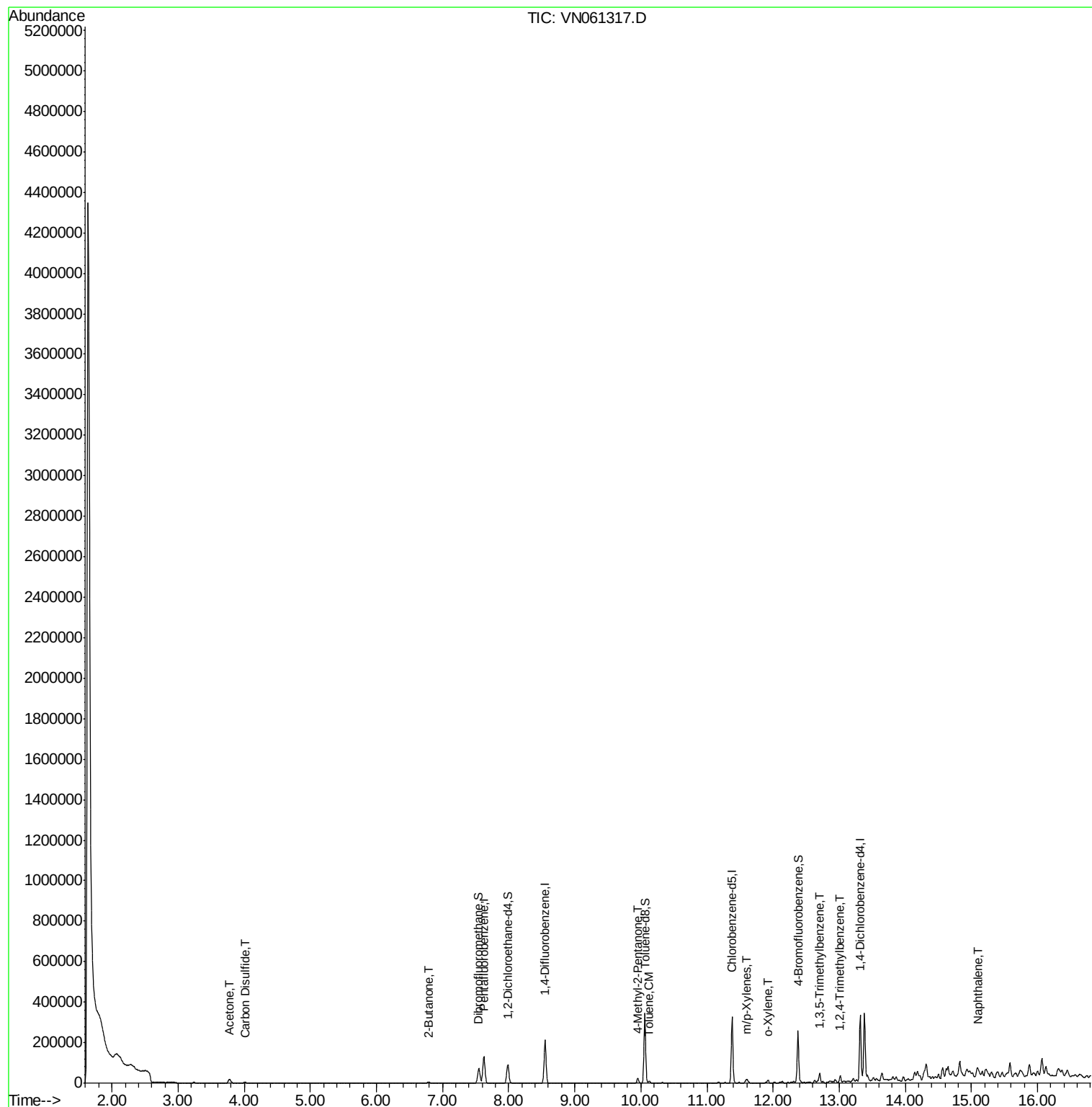
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	98257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	178145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	171559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81219	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	81891	52.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.34%	
35) Dibromofluoromethane	7.55	113	54311	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
50) Toluene-d8	10.06	98	226222	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.38	95	87033	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
Target Compounds						
16) Acetone	3.77	43	33401	51.155	ug/l	100
17) Carbon Disulfide	4.01	76	5881	2.054	ug/l #	92
25) 2-Butanone	6.79	43	7734	8.407	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	17782	8.707	ug/l	98
52) Toluene	10.12	92	4109	1.284	ug/l	98
68) m/p-Xylenes	11.59	106	5080	2.179	ug/l	95
69) o-Xylene	11.92	106	3268	1.459	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	5218	1.056	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	18149	3.565	ug/l	98
95) Naphthalene	15.11	128	15153	3.141	ug/l #	95

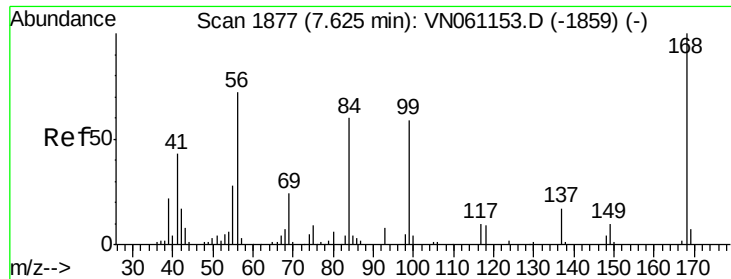
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061317.D

Acq: 6 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

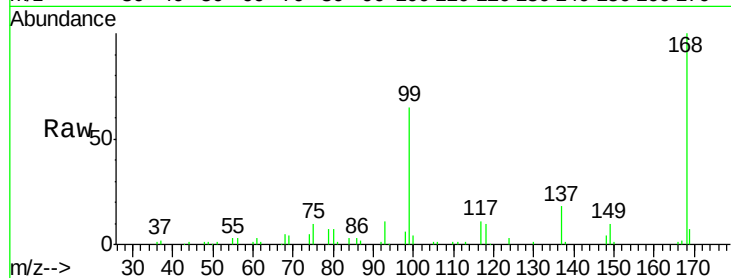
OIL-WATER-COMP

Tot Ion:168 Resp: 98257

Ion Ratio Lower Upper

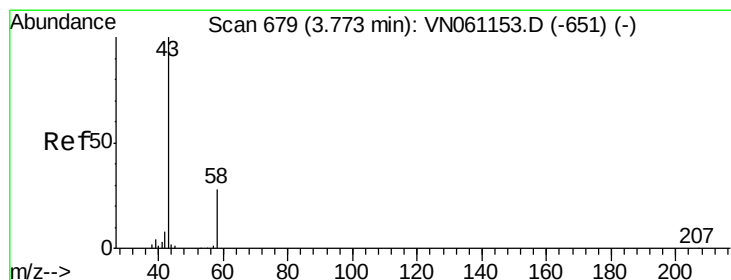
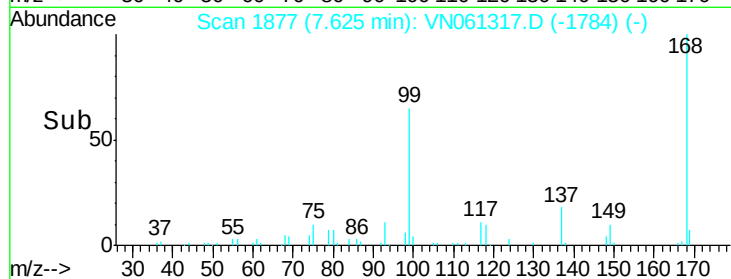
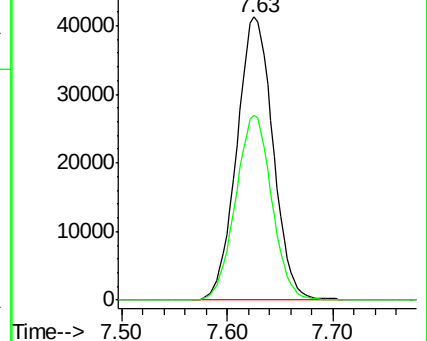
168 100

99 65.3 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 51.155 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061317.D

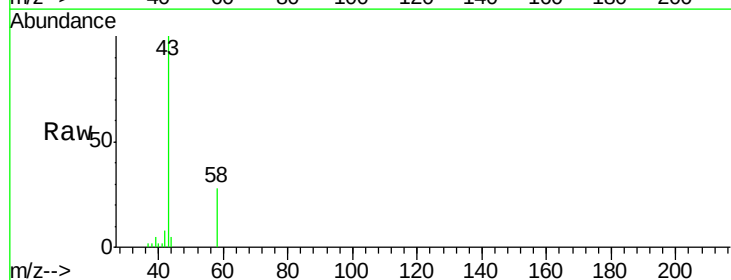
Acq: 6 May 2020 18:09

Tgt Ion: 43 Resp: 33401

Ion Ratio Lower Upper

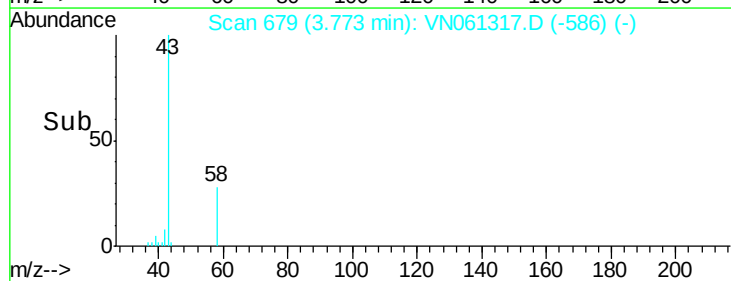
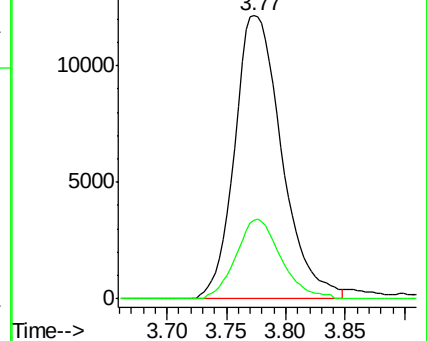
43 100

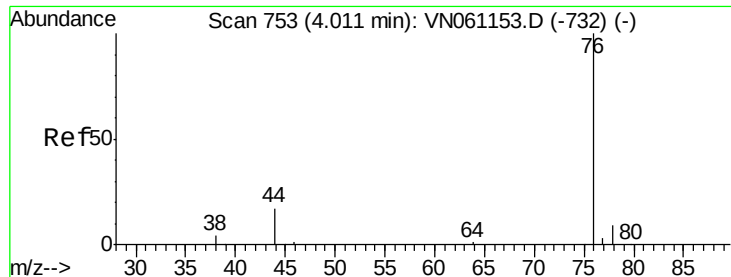
58 27.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 2.054 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061317.D

Acq: 6 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

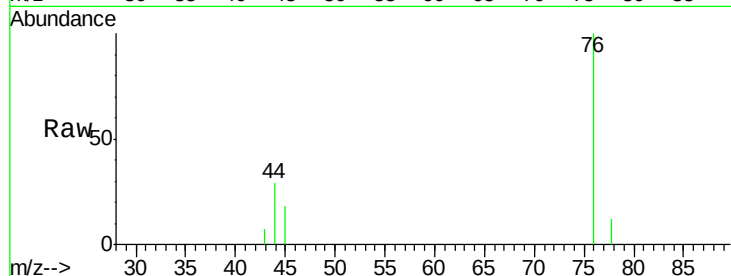
OIL-WATER-COMP

Tot Ion: 76 Resp: 5881

Ion Ratio Lower Upper

76 100

78 12.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

2500

2000

1500

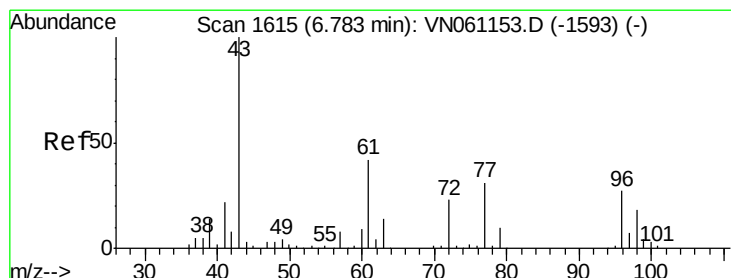
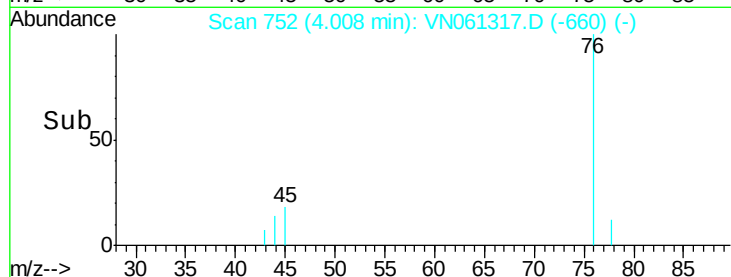
1000

500

0

3.95 4.00 4.05

Time-->



#25

2-Butanone

Concen: 8.407 ug/l

RT: 6.79 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VN061317.D

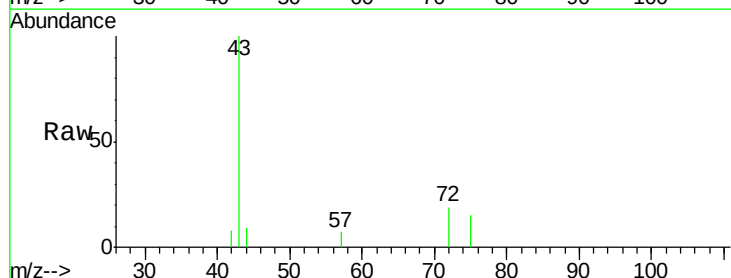
Acq: 6 May 2020 18:09

Tgt Ion: 43 Resp: 7734

Ion Ratio Lower Upper

43 100

72 18.9 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

3000

2500

2000

1500

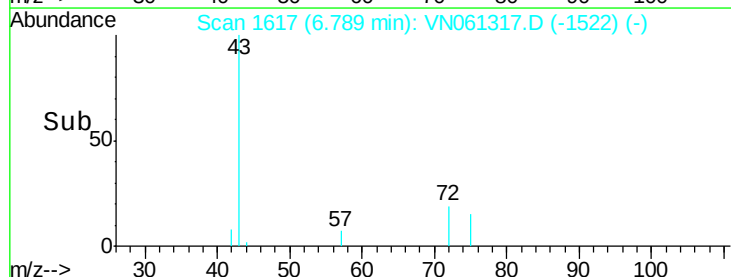
1000

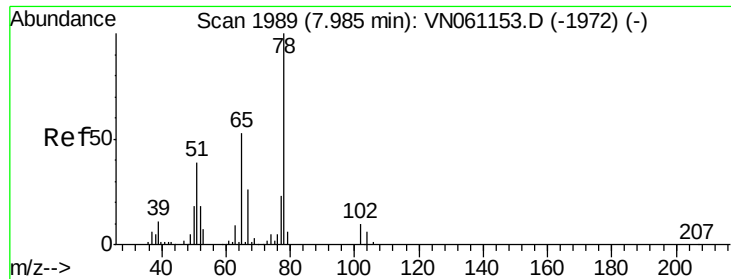
500

0

6.70 6.75 6.80 6.85 6.90

Time-->

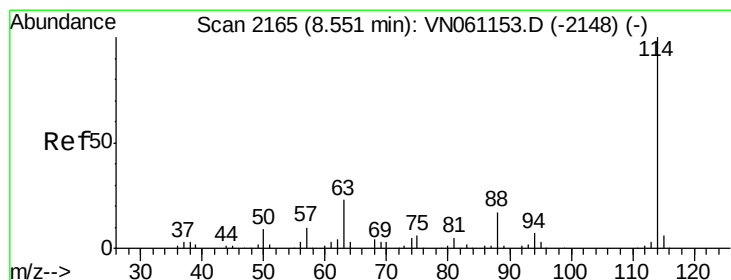
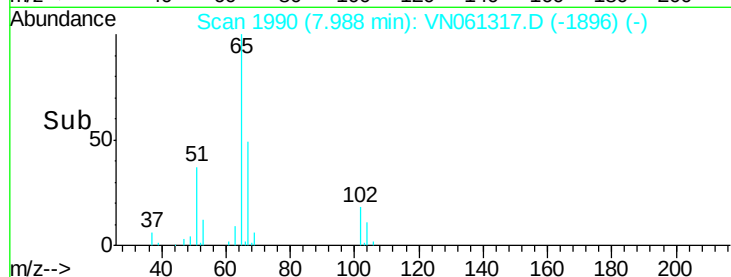
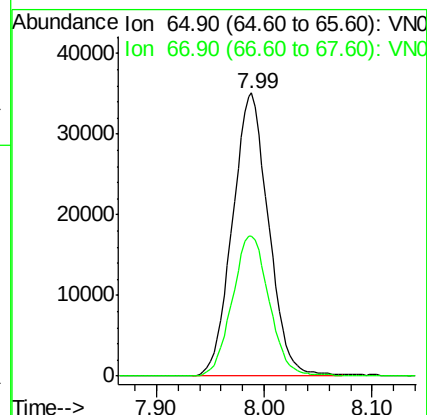
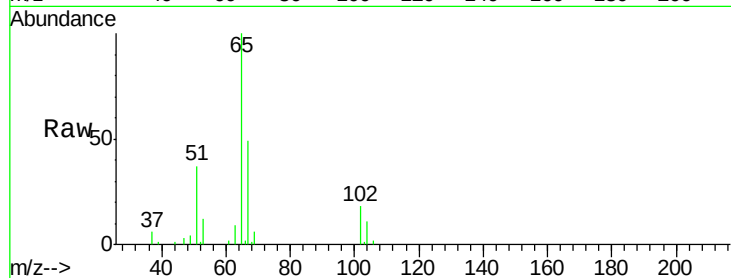




#33
 1,2-Dichloroethane-d4
 Concen: 52.672 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061317.D
 Acq: 6 May 2020 18:09

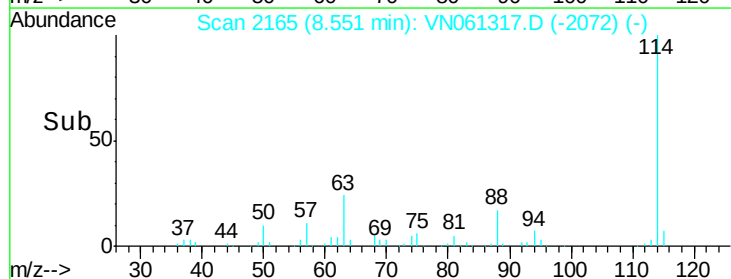
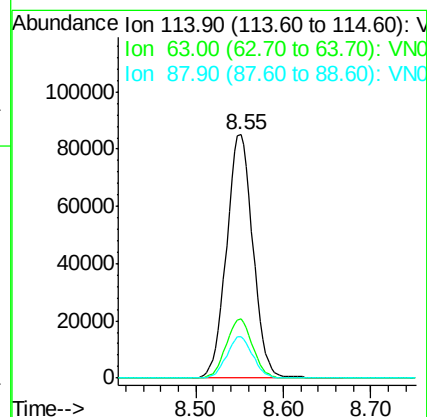
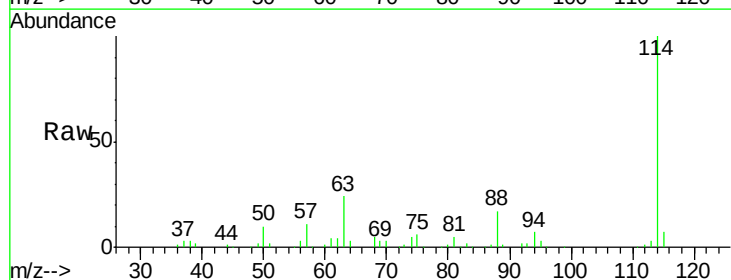
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-COMP

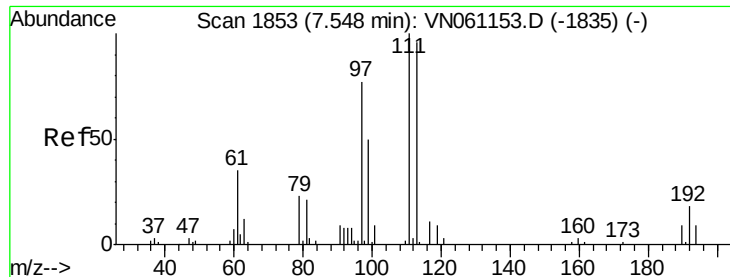
Tot Ion: 65 Resp: 81891
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061317.D
 Acq: 6 May 2020 18:09

Tgt Ion: 114 Resp: 178145
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.6
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.557 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061317.D

Acq: 6 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-COMP

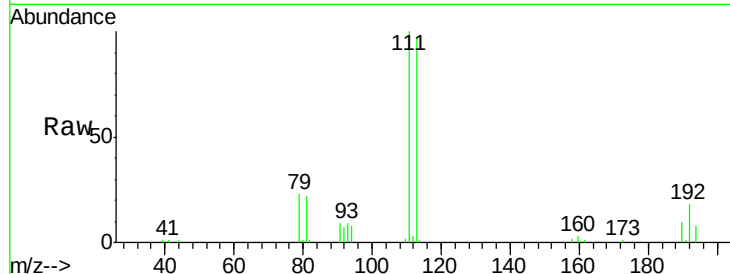
Tot Ion:113 Resp: 54311

Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

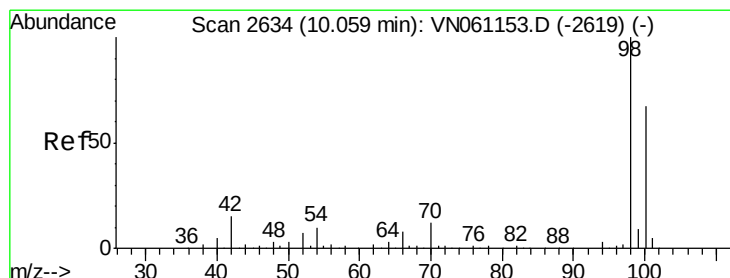
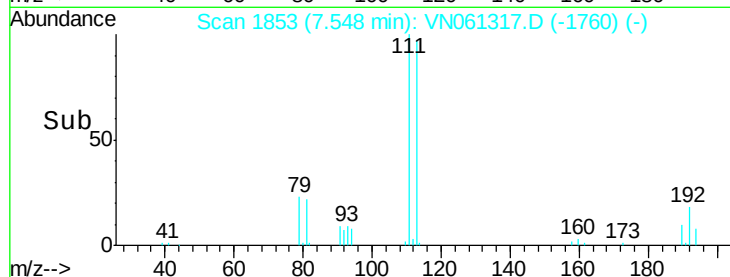
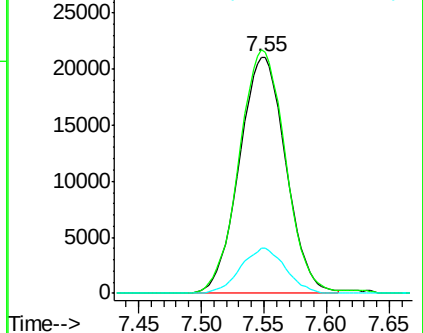
192 18.5 14.7 22.1



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



#50

Toluene-d8

Concen: 52.680 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061317.D

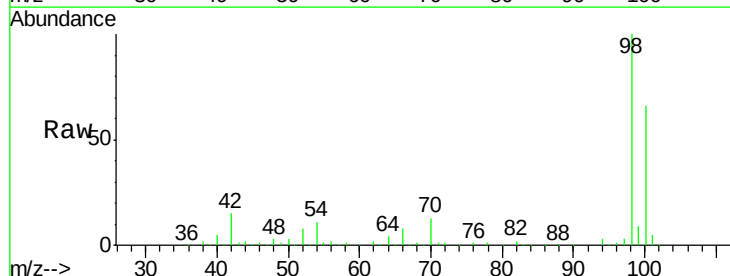
Acq: 6 May 2020 18:09

Tgt Ion: 98 Resp: 226222

Ion Ratio Lower Upper

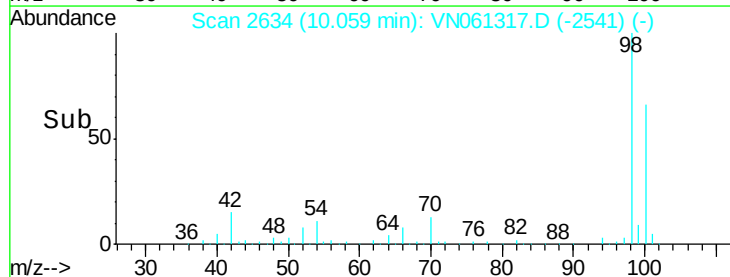
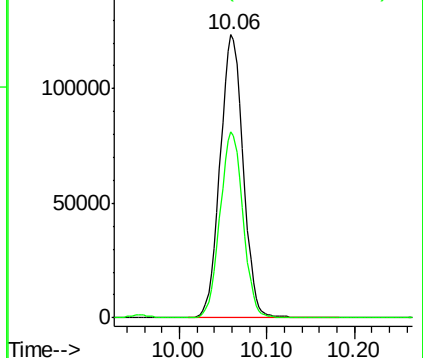
98 100

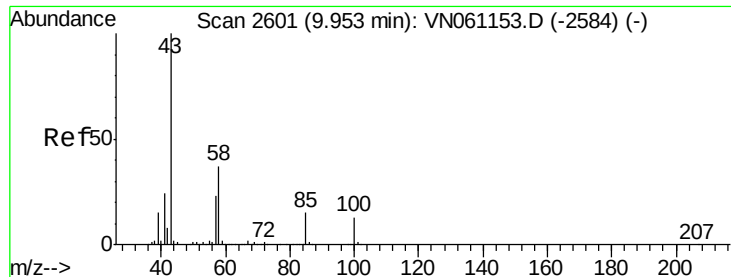
100 65.6 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

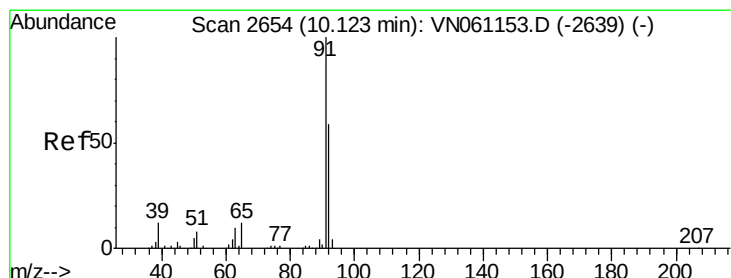
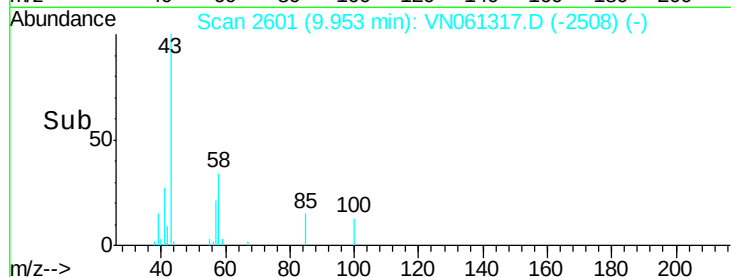
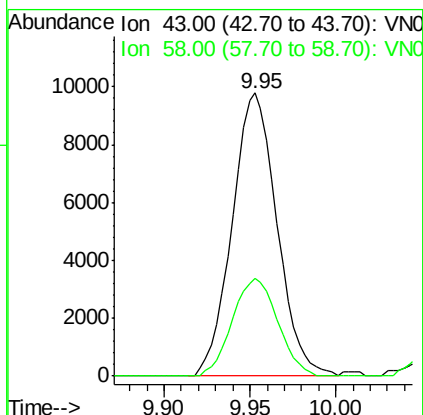
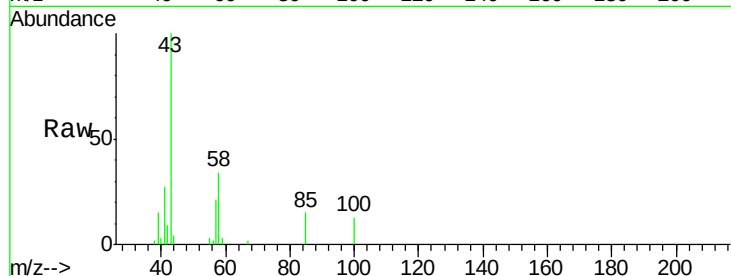




#51
 4-Methyl-2-Pentanone
 Concen: 8.707 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061317.D
 Acq: 6 May 2020 18:09

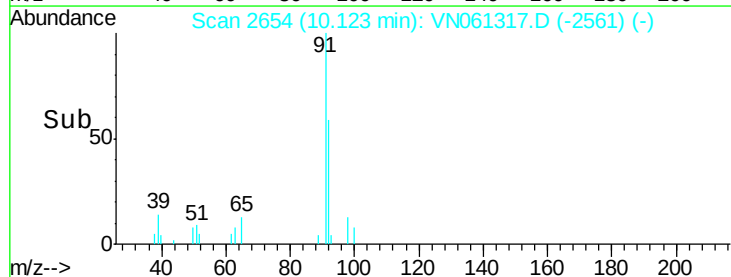
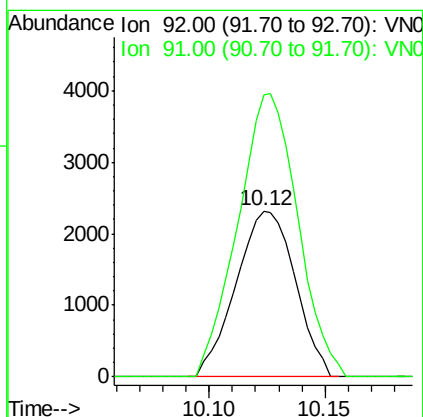
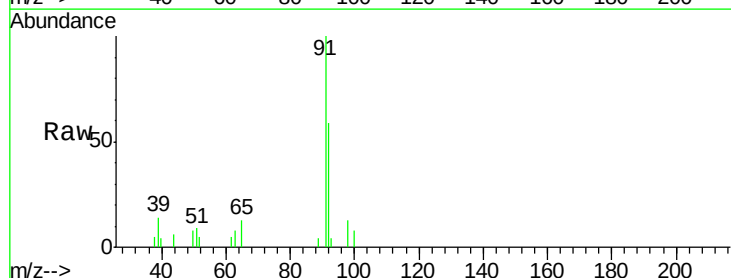
Instrument :
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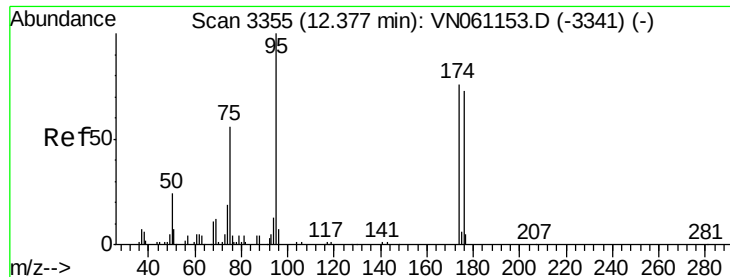
Tot Ion: 43 Resp: 17782
 Ion Ratio Lower Upper
 43 100
 58 35.0 29.1 43.7



#52
 Toluene
 Concen: 1.284 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061317.D
 Acq: 6 May 2020 18:09

Tgt Ion: 92 Resp: 4109
 Ion Ratio Lower Upper
 92 100
 91 172.7 136.2 204.2

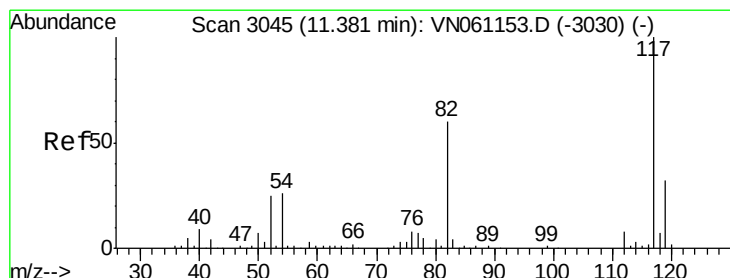
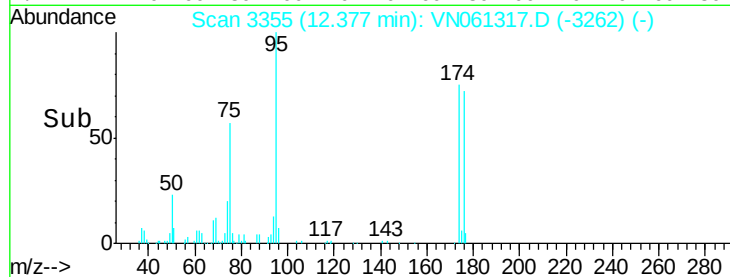
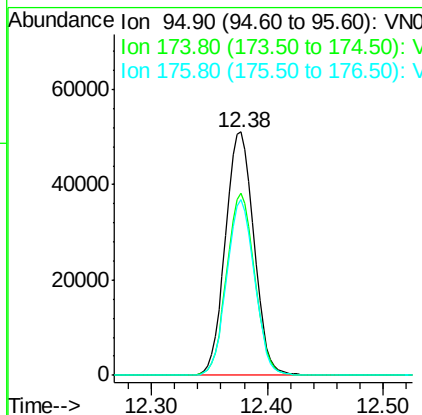
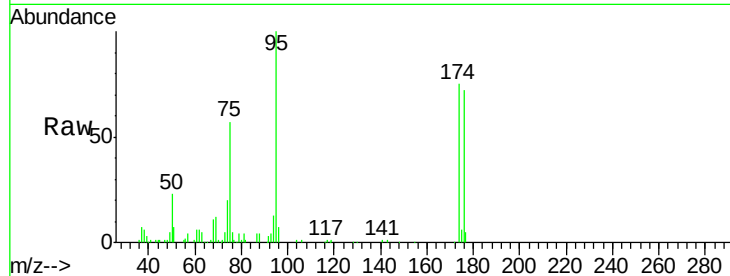




#62
4-Bromofluorobenzene
Concen: 53.857 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061317.D
Acq: 6 May 2020 18:09

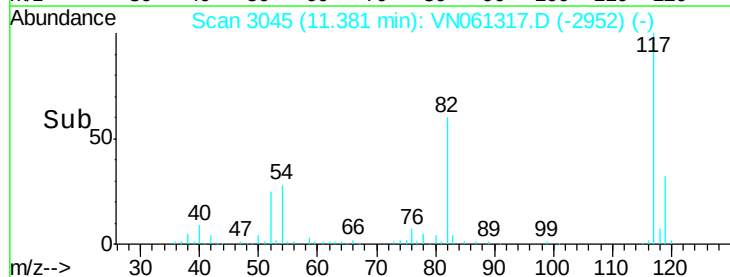
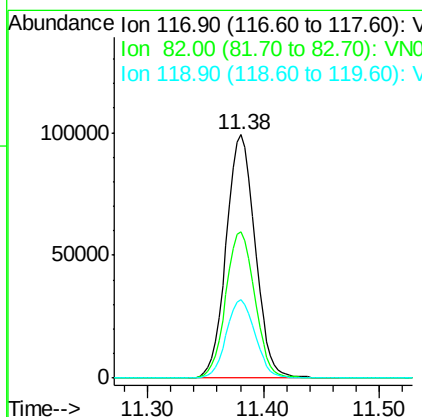
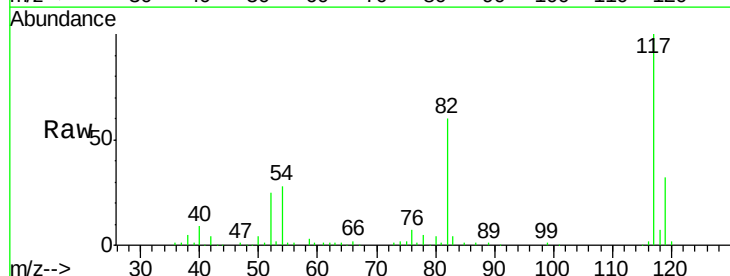
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-COMP

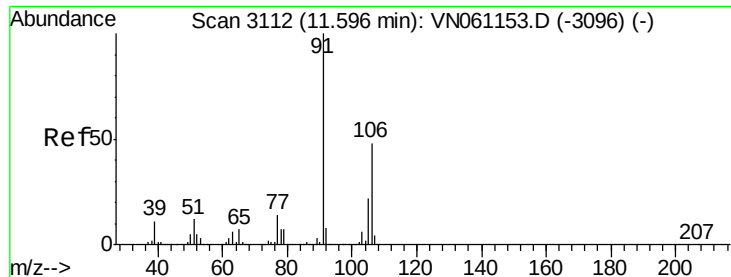
Tot Ion: 95 Resp: 87033
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.4
176 70.0 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061317.D
Acq: 6 May 2020 18:09

Tgt Ion: 117 Resp: 171559
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.1 25.8 38.6





#68

m/p-Xylenes

Concen: 2.179 ug/l

RT: 11.59 min Scan# 3110

Delta R.T. -0.01 min

Lab File: VN061317.D

Acq: 6 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

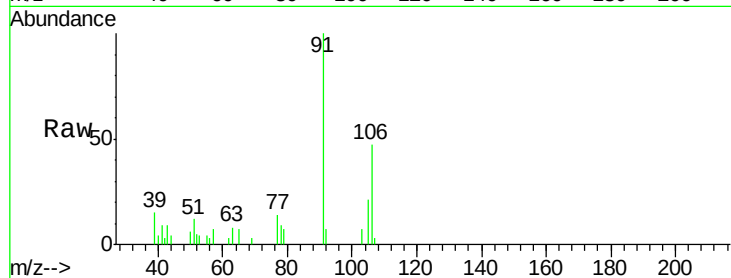
OIL-WATER-COMP

Tot Ion:106 Resp: 5080

Ion Ratio Lower Upper

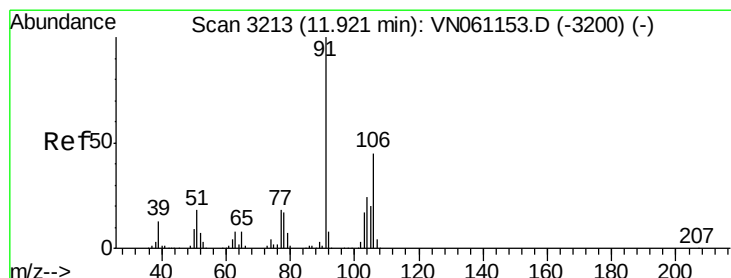
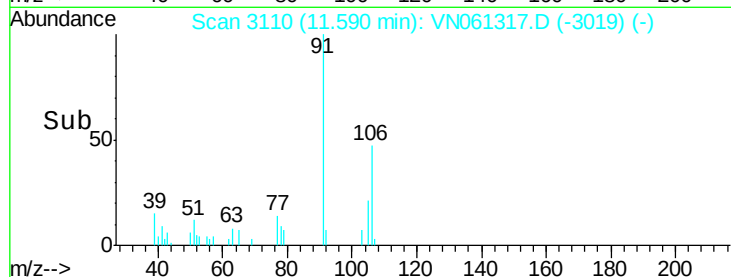
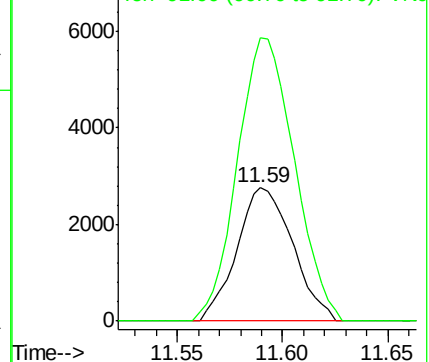
106 100

91 216.5 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 1.459 ug/l

RT: 11.92 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN061317.D

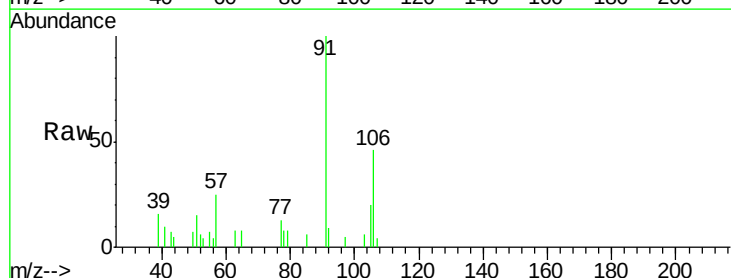
Acq: 6 May 2020 18:09

Tgt Ion:106 Resp: 3268

Ion Ratio Lower Upper

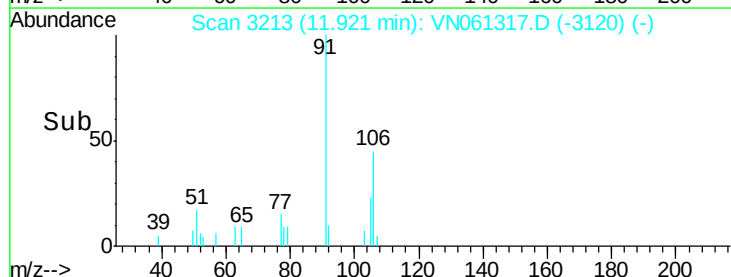
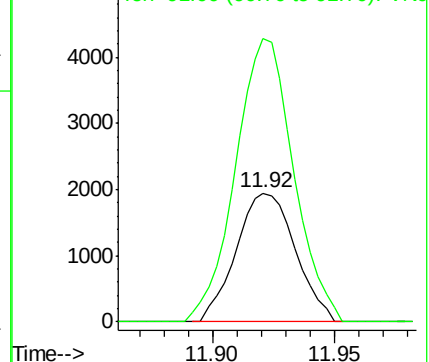
106 100

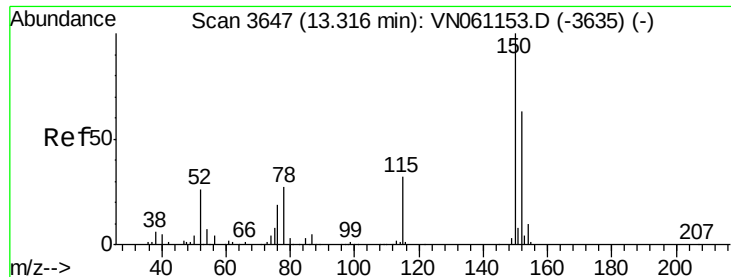
91 215.9 109.7 329.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061317.D

Acq: 6 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-COMP

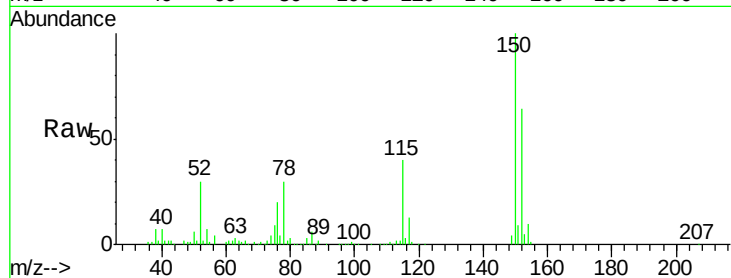
Tot Ion:152 Resp: 81219

Ion Ratio Lower Upper

152 100

115 63.4 31.0 93.0

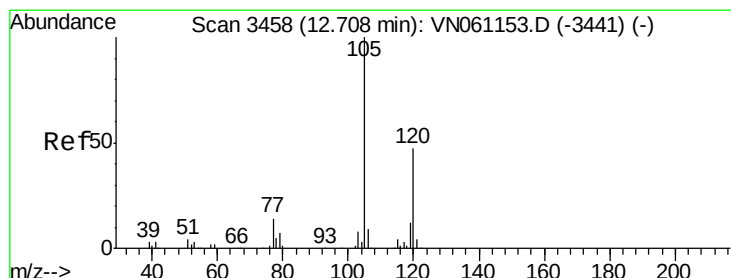
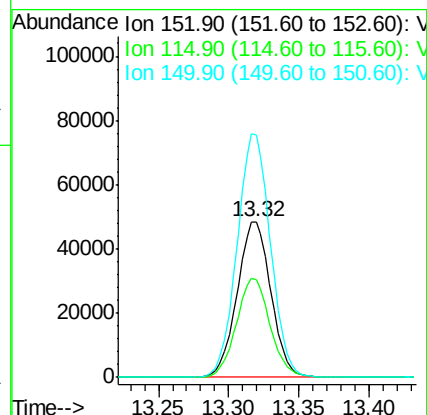
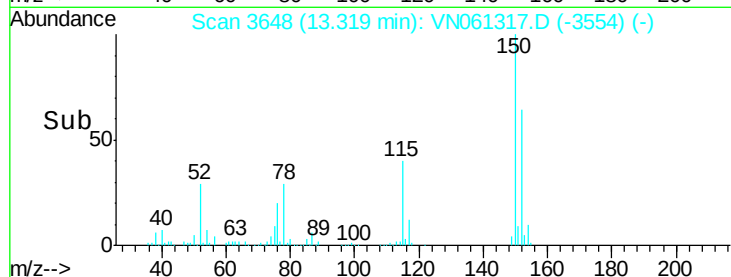
150 154.9 0.0 351.8



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: 1.056 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061317.D

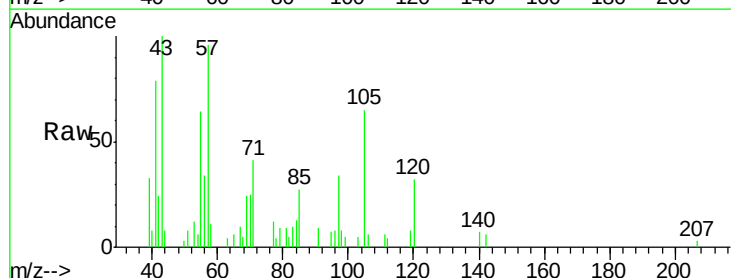
Acq: 6 May 2020 18:09

Tgt Ion:105 Resp: 5218

Ion Ratio Lower Upper

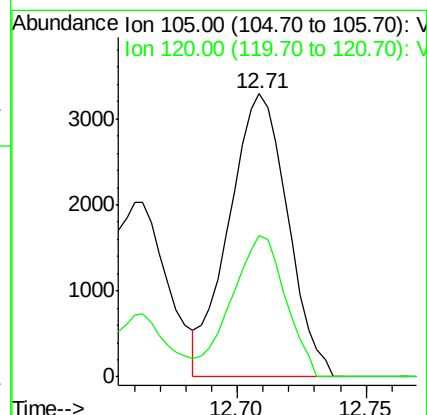
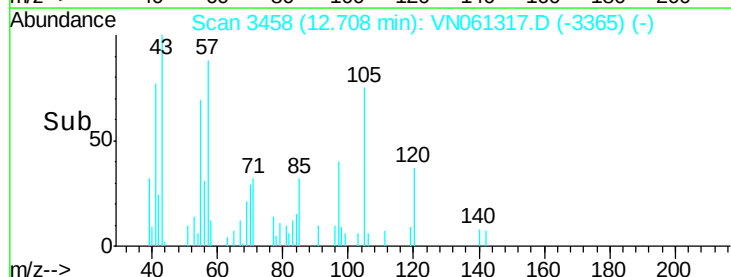
105 100

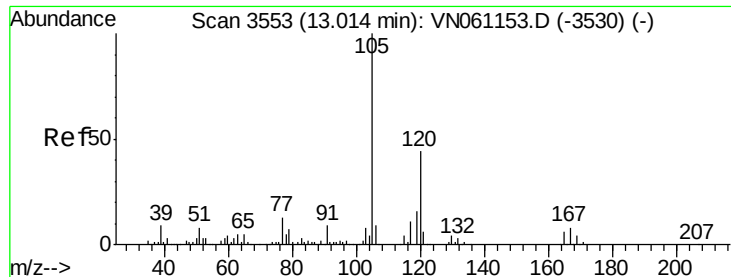
120 46.2 23.9 71.7



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: 3.565 ug/l

RT: 13.01 min Scan# 3553

Delta R.T. 0.00 min

Lab File: VN061317.D

Acq: 6 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

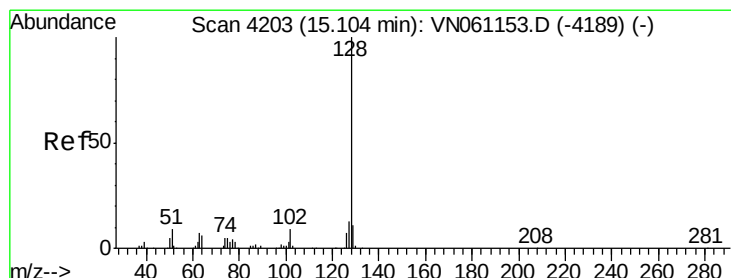
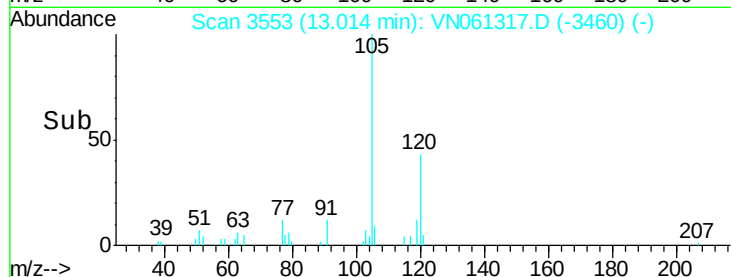
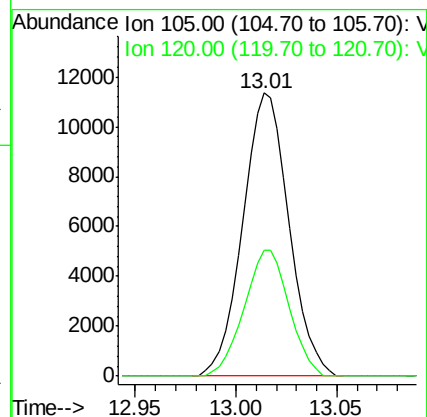
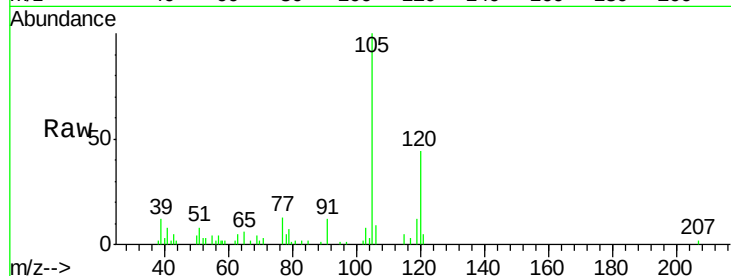
OIL-WATER-COMP

Tot Ion:105 Resp: 18149

Ion Ratio Lower Upper

105 100

120 43.3 22.2 66.6



#95

Naphthalene

Concen: 3.141 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061317.D

Acq: 6 May 2020 18:09

Tgt Ion:128 Resp: 15153

Ion Ratio Lower Upper

128 100

127 15.8 10.4 15.6#

129 10.3 8.7 13.1

