

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056599.D
 Acq On : 3 Jul 2019 20:57
 Operator : JC/SP
 Sample : K3680-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Jul 03 23:40:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

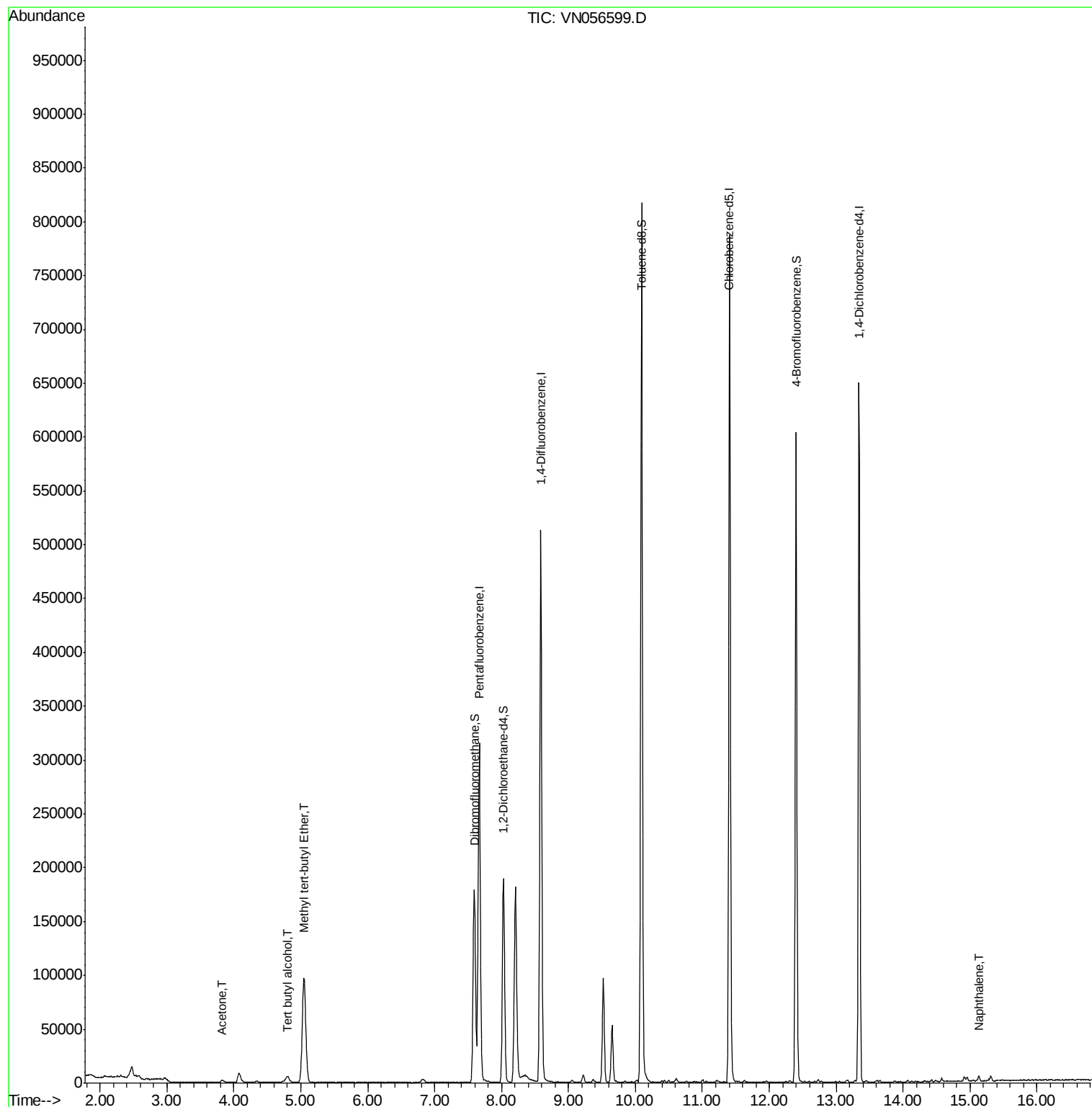
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	280429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	482852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188654	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	162120	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	140997	46.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.62%	
50) Toluene-d8	10.09	98	595977	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	216260	55.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.70%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.81	59	11949	22.827	ug/l #	74
16) Acetone	3.83	43	4862	3.122	ug/l #	82
19) Methyl tert-butyl Ether	5.05	73	171417	20.912	ug/l	99
95) Naphthalene	15.13	128	5420	5.807	ug/l #	92

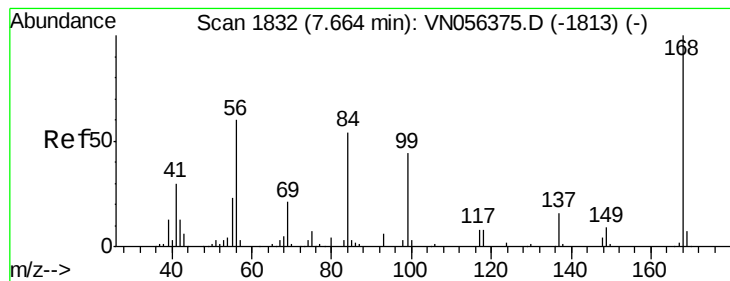
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056599.D

Acq: 3 Jul 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

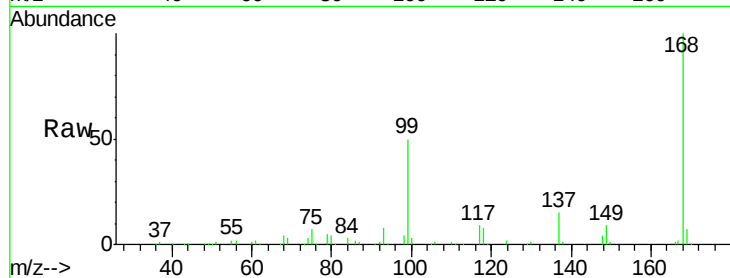
MW-6

Tot Ion:168 Resp: 280429

Ion Ratio Lower Upper

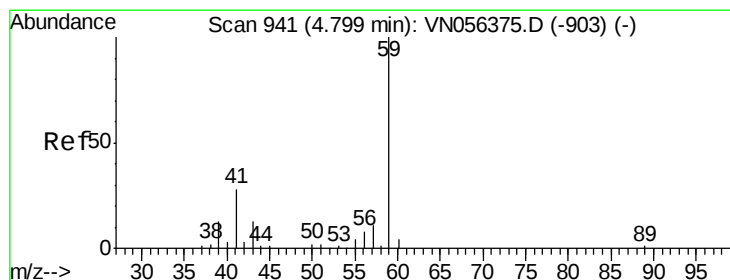
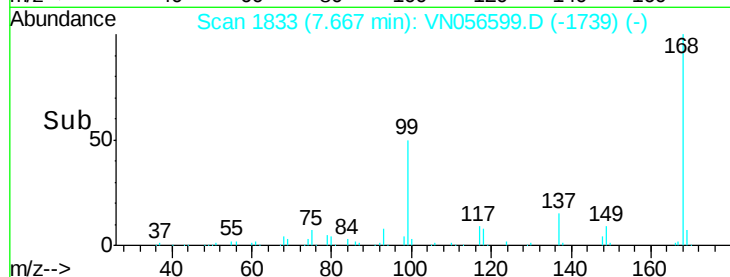
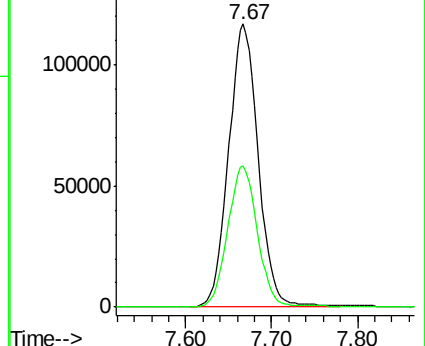
168 100

99 50.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 22.827 ug/l

RT: 4.81 min Scan# 943

Delta R.T. 0.01 min

Lab File: VN056599.D

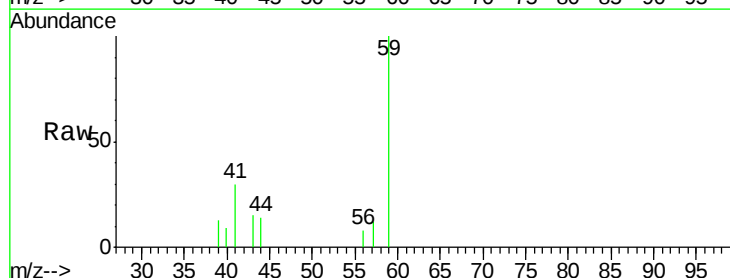
Acq: 3 Jul 2019 20:57

Tgt Ion: 59 Resp: 11949

Ion Ratio Lower Upper

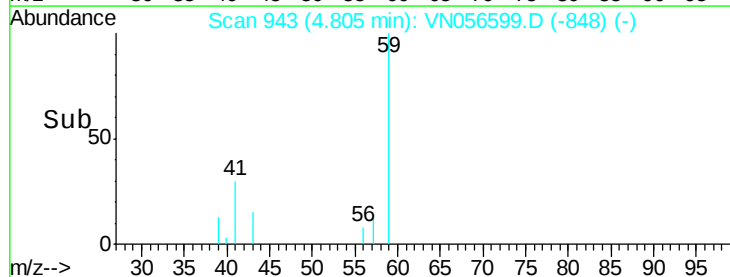
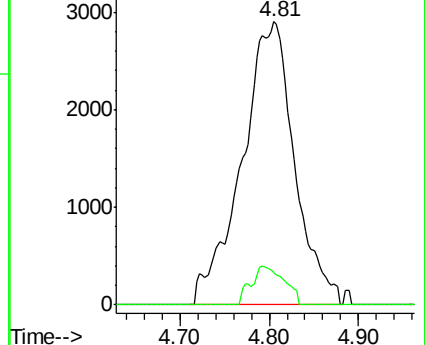
59 100

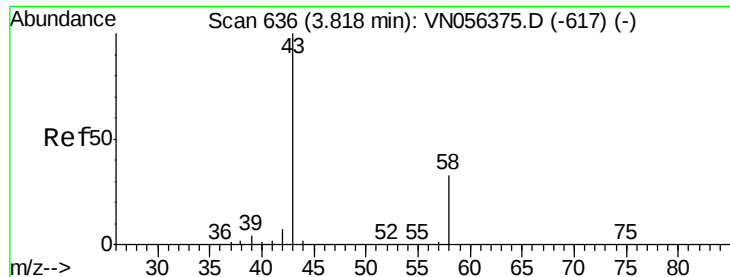
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 3.122 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056599.D

Acq: 3 Jul 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

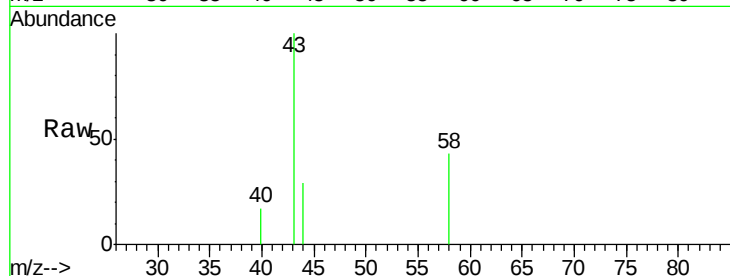
MW-6

Tot Ion: 43 Resp: 4862

Ion Ratio Lower Upper

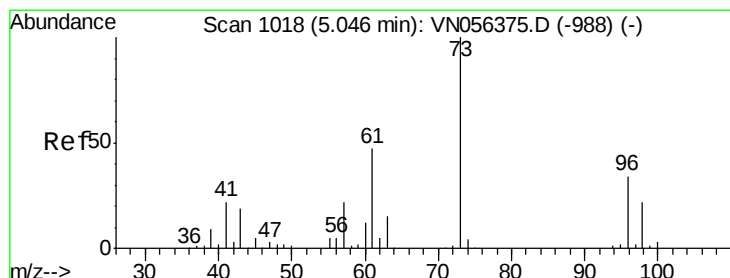
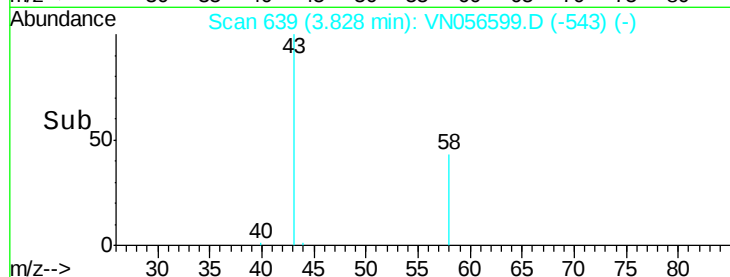
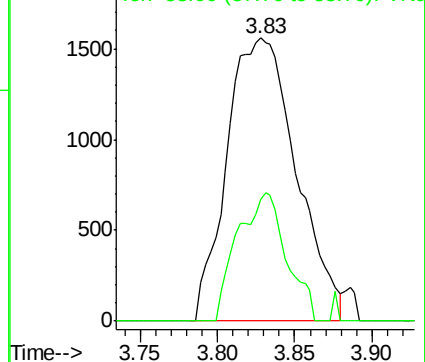
43 100

58 43.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#19

Methyl tert-butyl Ether

Concen: 20.912 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN056599.D

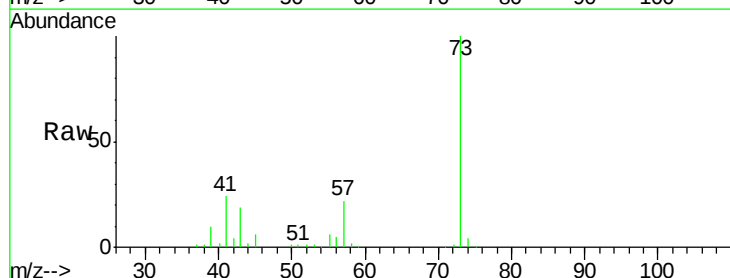
Acq: 3 Jul 2019 20:57

Tgt Ion: 73 Resp: 171417

Ion Ratio Lower Upper

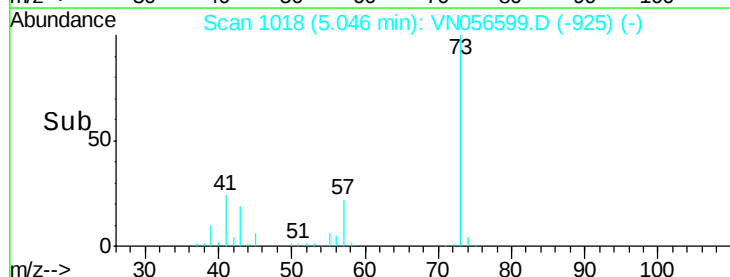
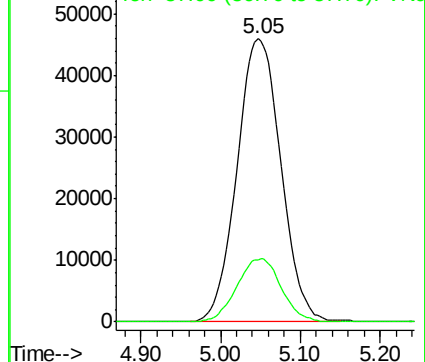
73 100

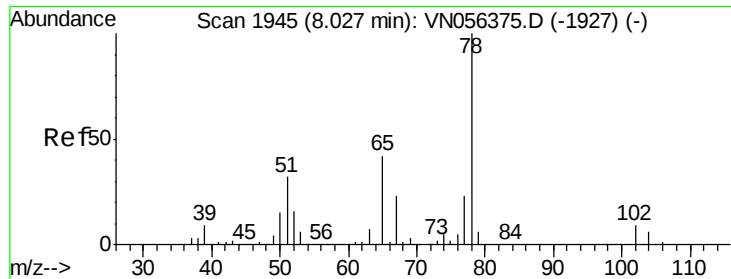
57 22.0 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

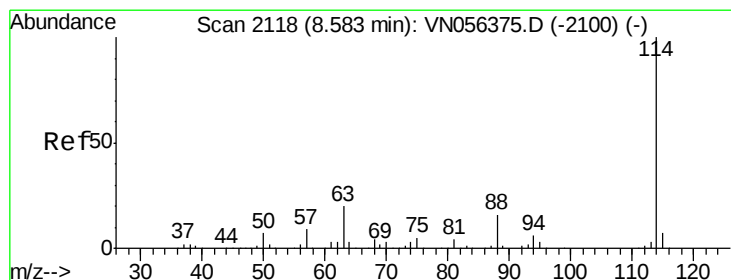
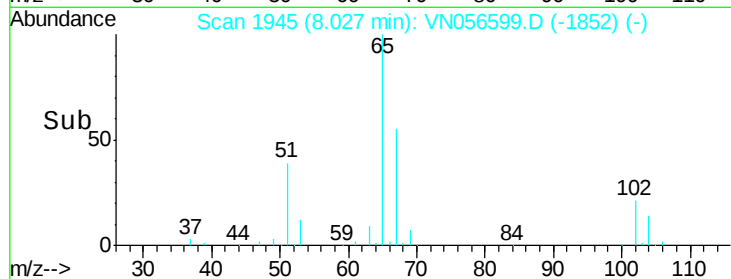
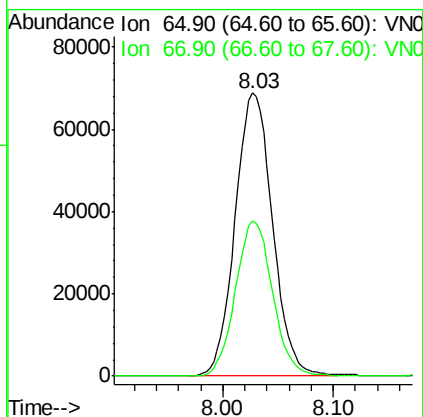
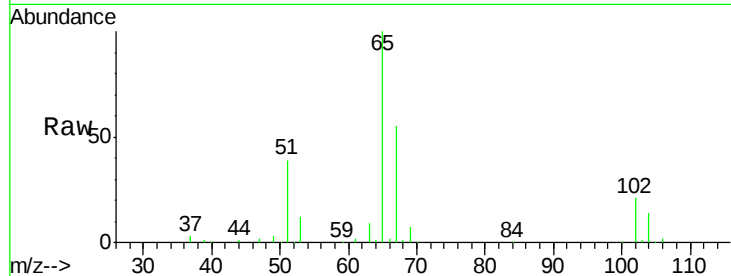




#33
 1,2-Dichloroethane-d4
 Concen: 52.162 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056599.D
 Acq: 3 Jul 2019 20:57

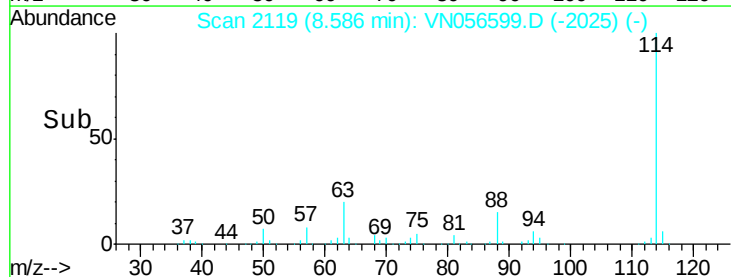
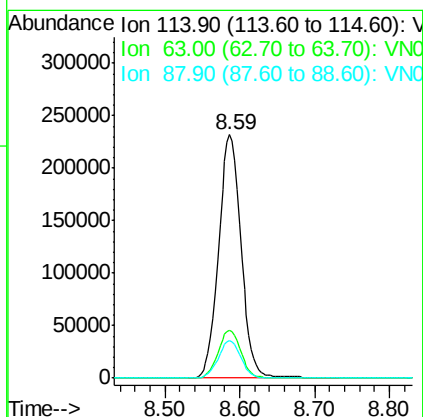
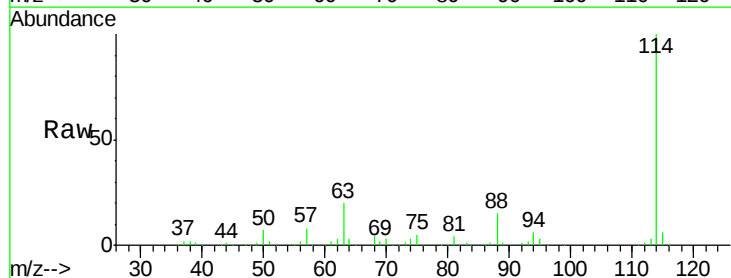
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

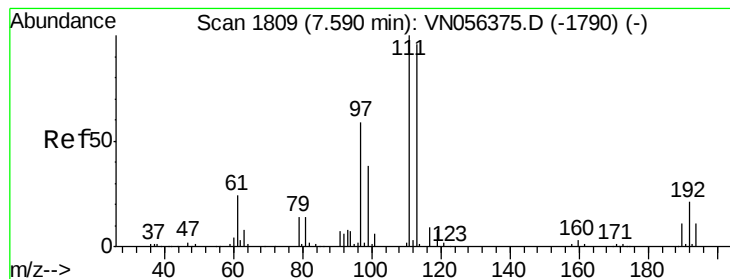
Tot Ion: 65 Resp: 162120
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056599.D
 Acq: 3 Jul 2019 20:57

Tgt Ion: 114 Resp: 482852
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.809 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056599.D

Acq: 3 Jul 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

MW-6

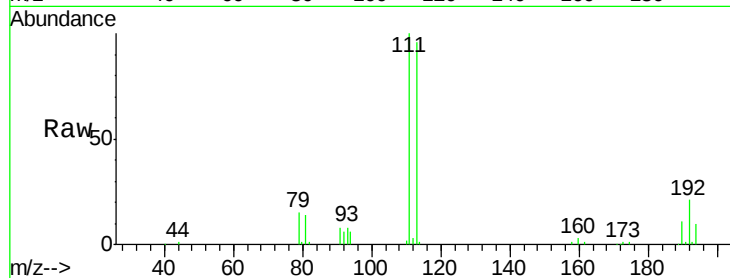
Tot Ion:113 Resp: 140997

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

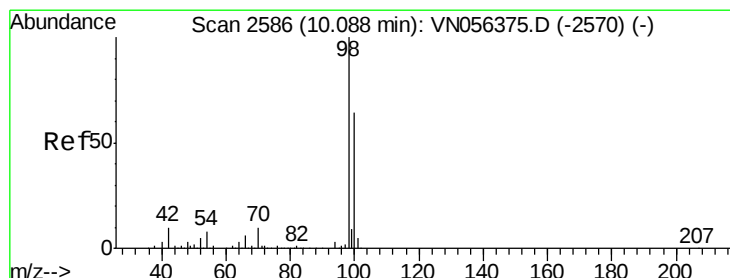
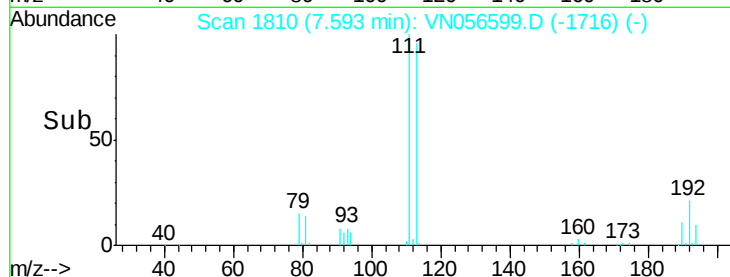
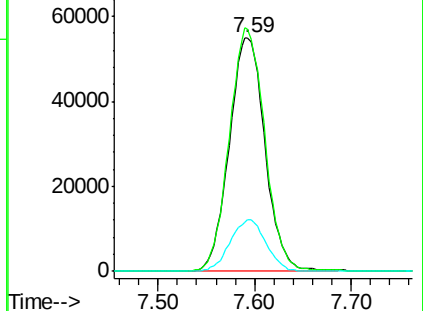
192 22.1 17.7 26.5



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: 50.848 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056599.D

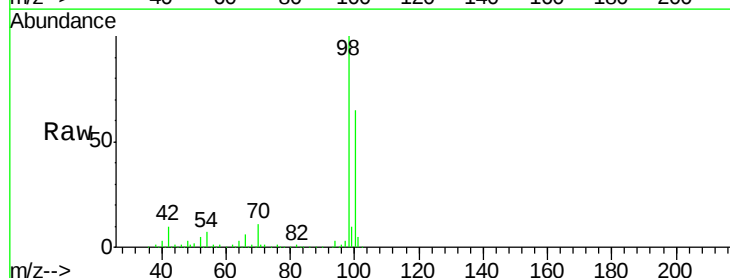
Acq: 3 Jul 2019 20:57

Tgt Ion: 98 Resp: 595977

Ion Ratio Lower Upper

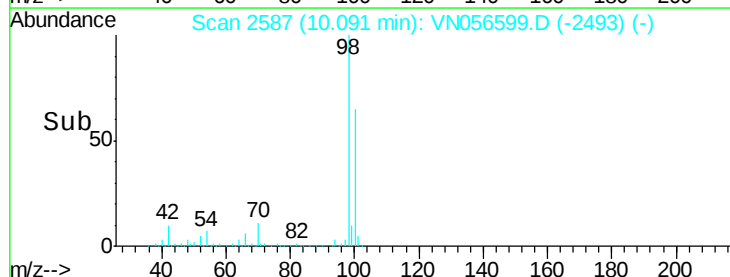
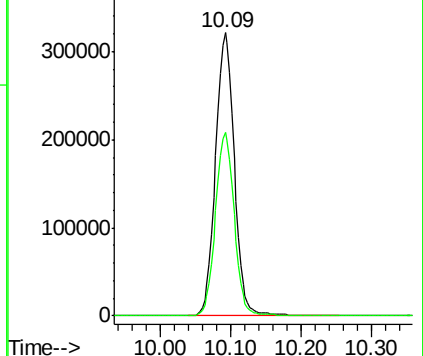
98 100

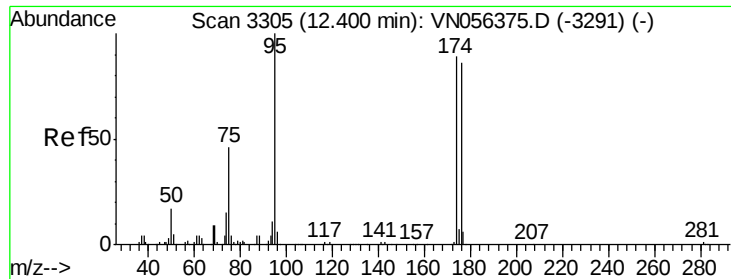
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

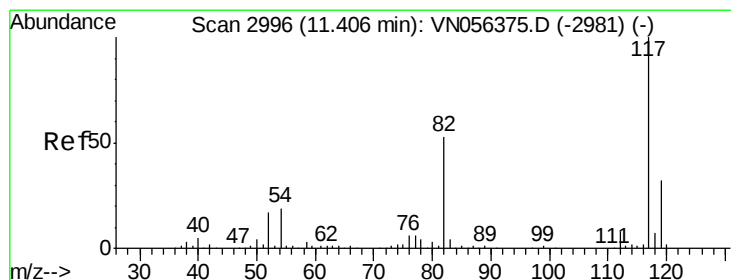
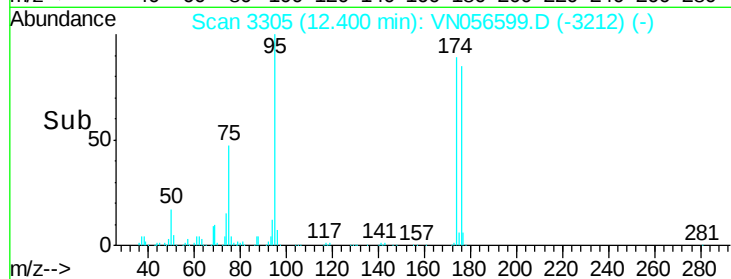
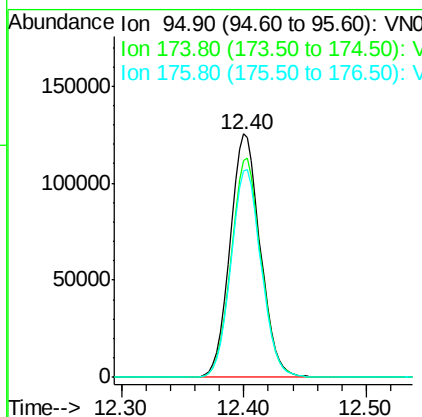
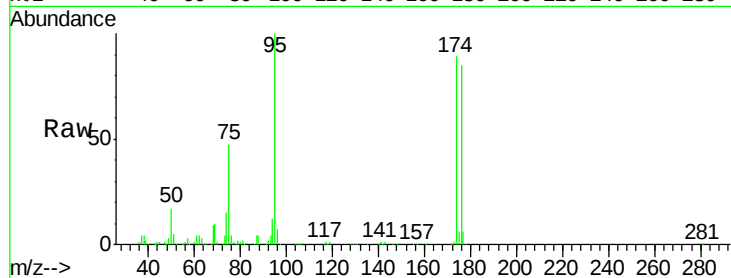




#62
4-Bromofluorobenzene
Concen: 55.349 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056599.D
Acq: 3 Jul 2019 20:57

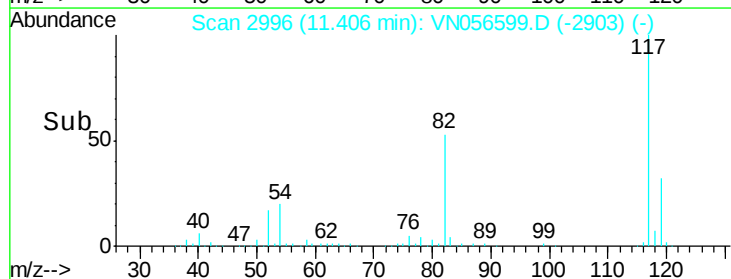
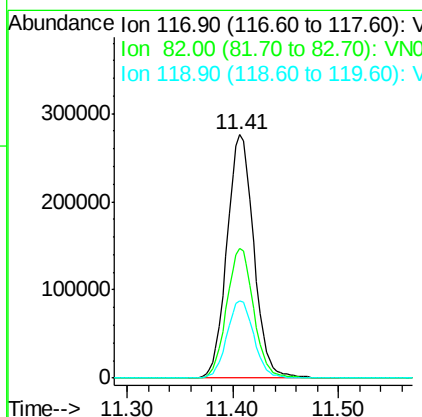
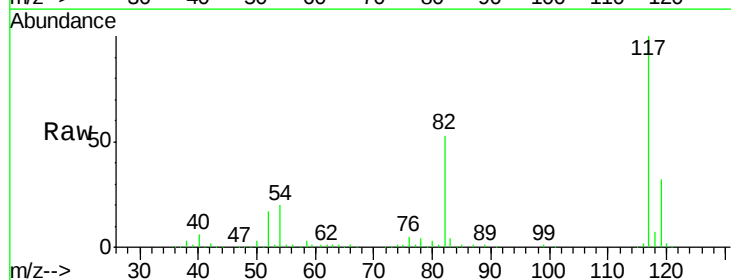
Instrument :
MSVOA_N
ClientSampleId :
MW-6

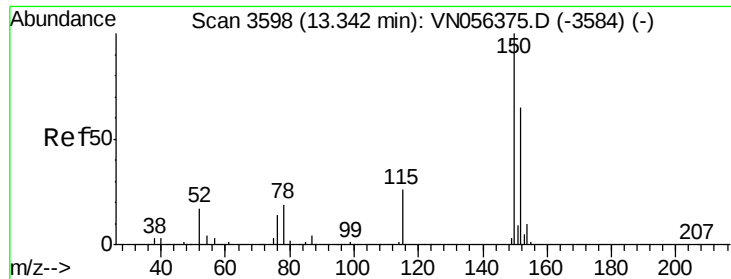
Tot Ion: 95 Resp: 216260
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.4
176 85.3 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056599.D
Acq: 3 Jul 2019 20:57

Tgt Ion: 117 Resp: 485136
Ion Ratio Lower Upper
117 100
82 53.3 42.0 63.0
119 32.0 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056599.D

Acq: 3 Jul 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

MW-6

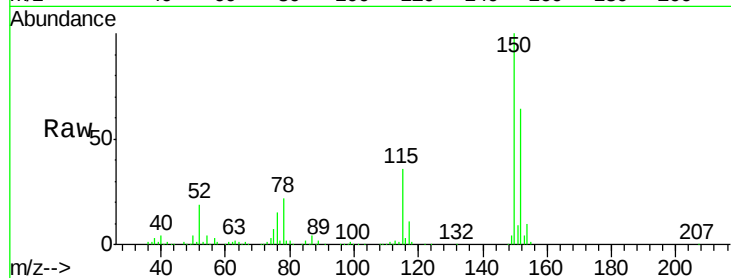
Tot Ion:152 Resp: 188654

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.4

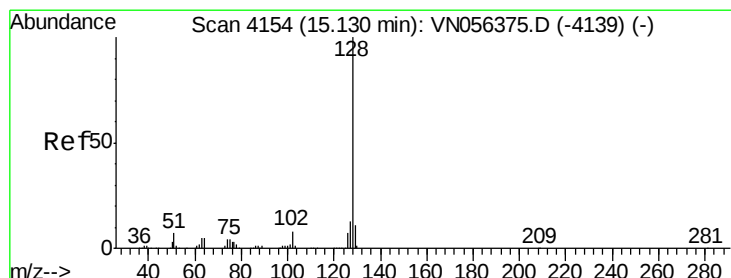
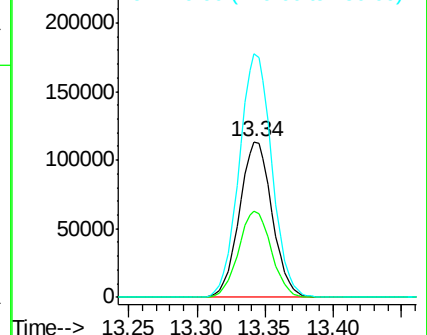
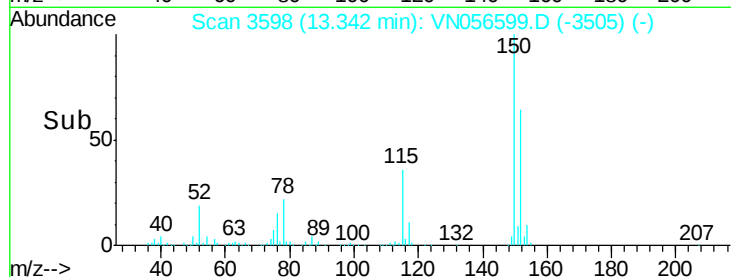
150 156.5 0.0 348.4



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



#95

Naphthalene

Concen: 5.807 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056599.D

Acq: 3 Jul 2019 20:57

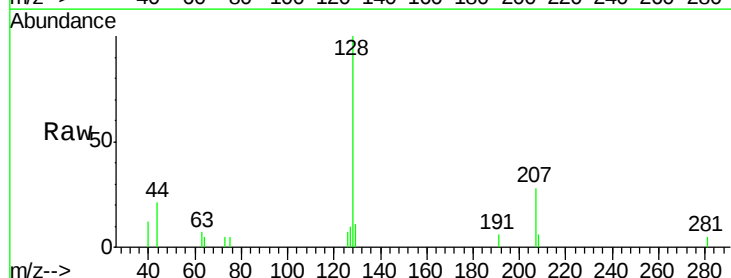
Tgt Ion:128 Resp: 5420

Ion Ratio Lower Upper

128 100

127 10.1 10.2 15.2#

129 7.4 8.6 12.8#



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

