

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056601.D
 Acq On : 3 Jul 2019 21:44
 Operator : JC/SP
 Sample : K3680-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Jul 03 23:50:09 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

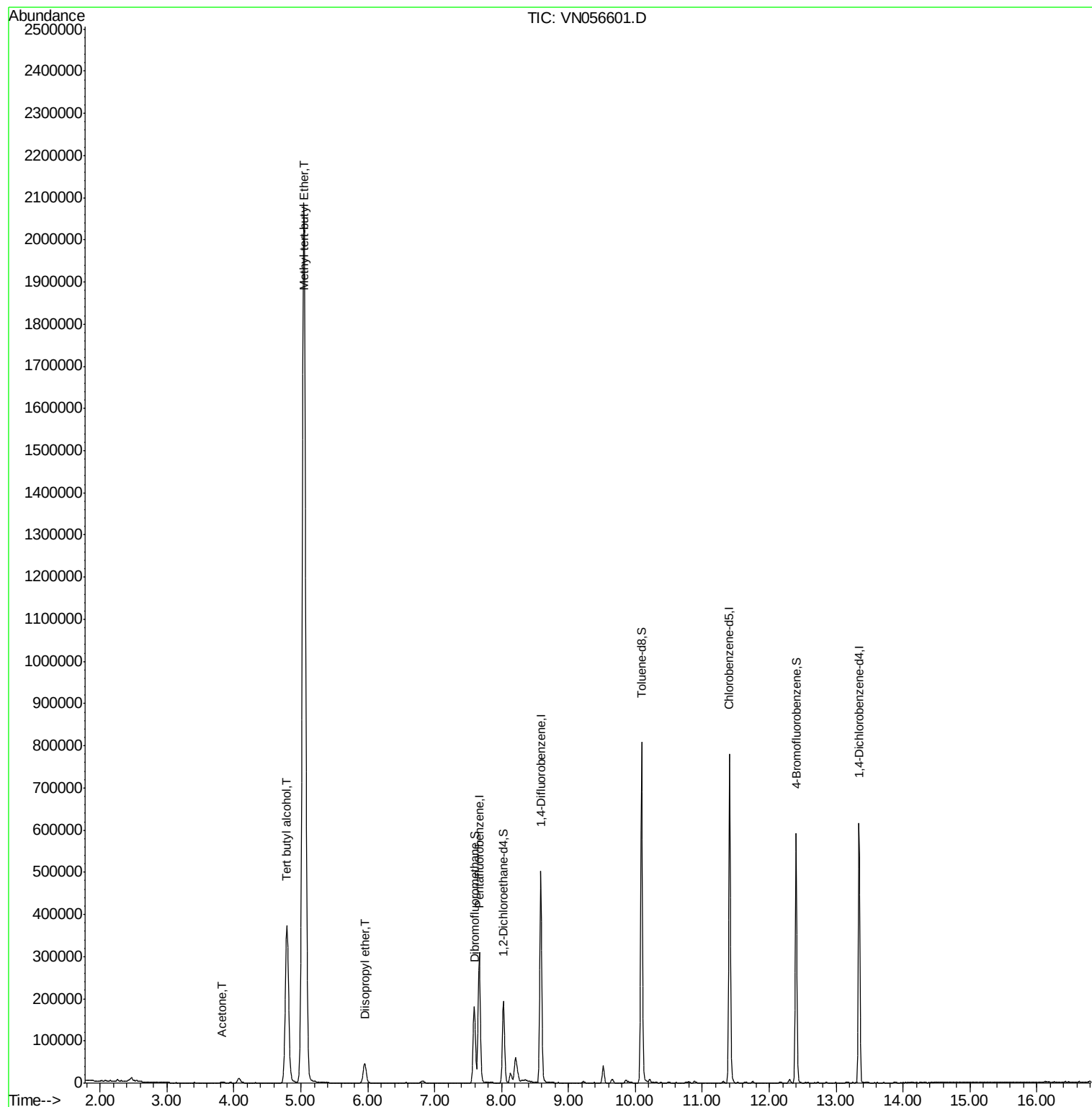
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	278632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	477371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180855	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	162126	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
35) Dibromofluoromethane	7.59	113	139790	46.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.88%	
50) Toluene-d8	10.09	98	592487	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	211049	54.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.28%	
Target Compounds						
11) Tert butyl alcohol	4.79	59	685562	1318.095	ug/l	98
16) Acetone	3.82	43	5576	3.604	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	3756990	461.285	ug/l	99
22) Diisopropyl ether	5.96	45	63505	7.380	ug/l	89

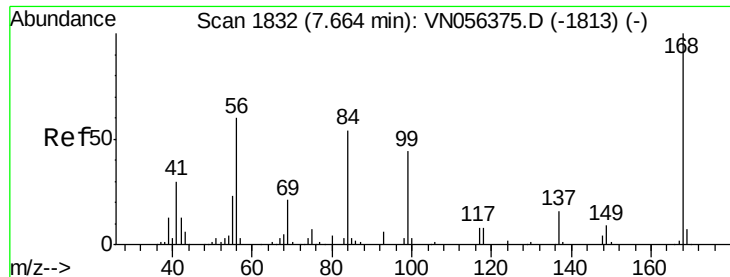
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056601.D

Acq: 3 Jul 2019 21:44

Instrument :

MSVOA_N

ClientSampleId :

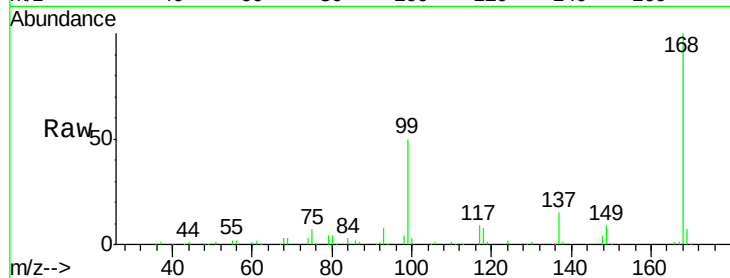
MW-7

Tot Ion:168 Resp: 278632

Ion Ratio Lower Upper

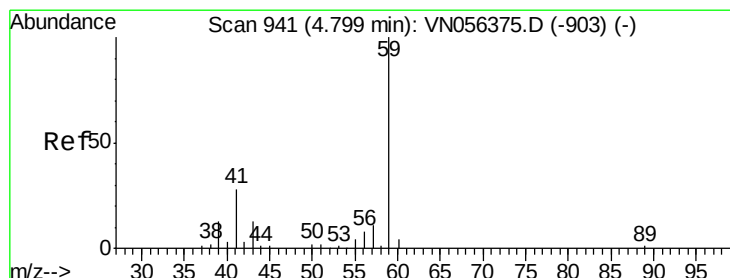
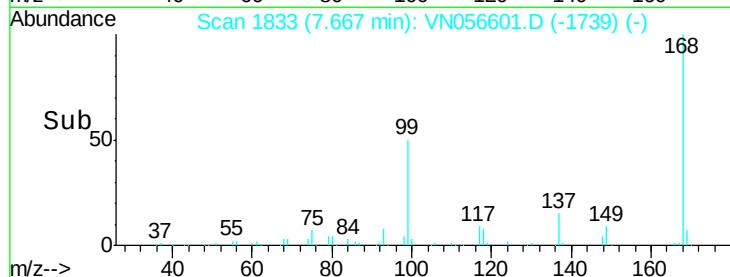
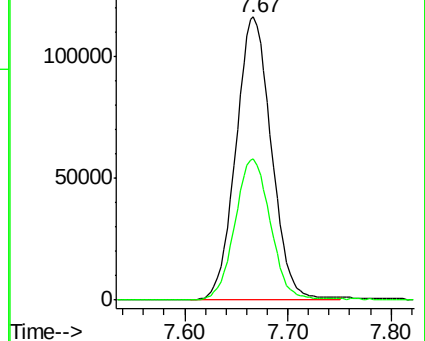
168 100

99 49.7 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: 1318.095 ug/l

RT: 4.79 min Scan# 939

Delta R.T. -0.01 min

Lab File: VN056601.D

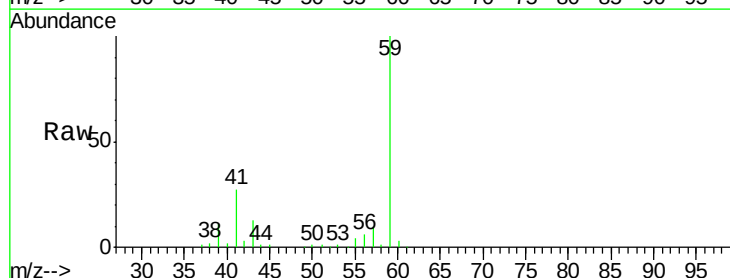
Acq: 3 Jul 2019 21:44

Tgt Ion: 59 Resp: 685562

Ion Ratio Lower Upper

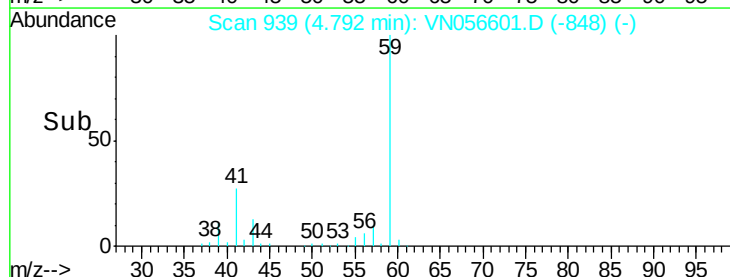
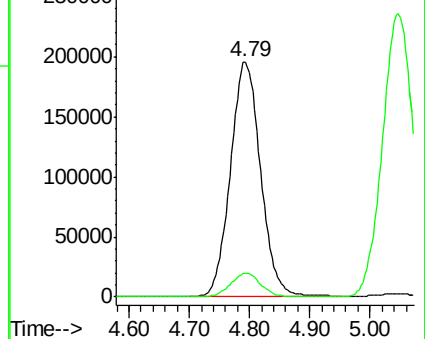
59 100

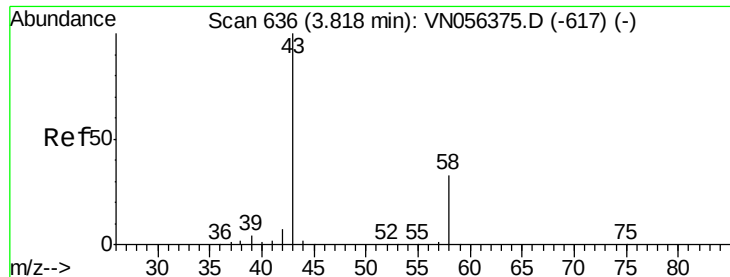
57 10.1 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 3.604 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056601.D

Acq: 3 Jul 2019 21:44

Instrument :

MSVOA_N

ClientSampleId :

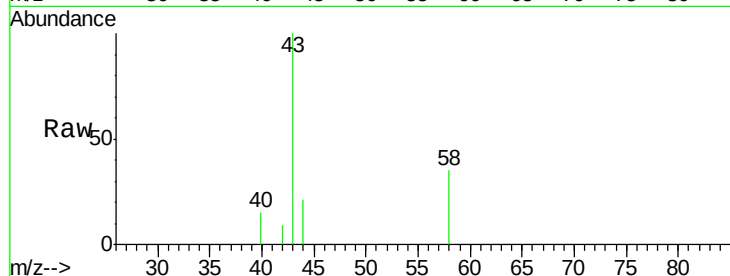
MW-7

Tot Ion: 43 Resp: 5576

Ion Ratio Lower Upper

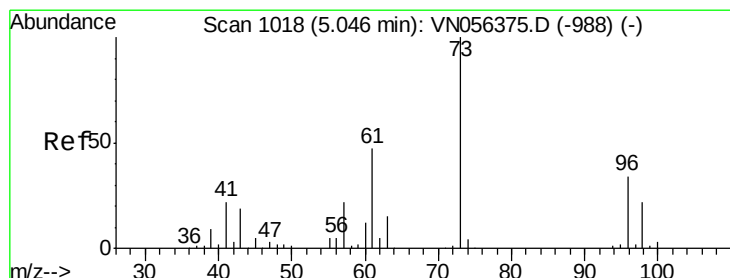
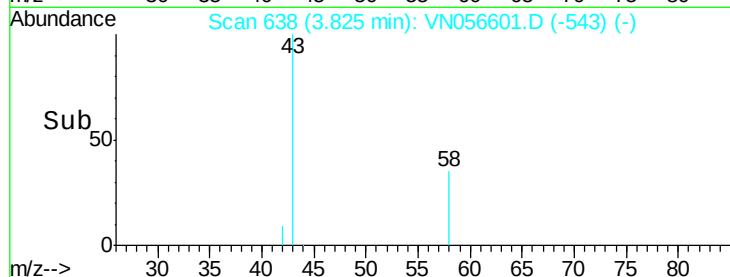
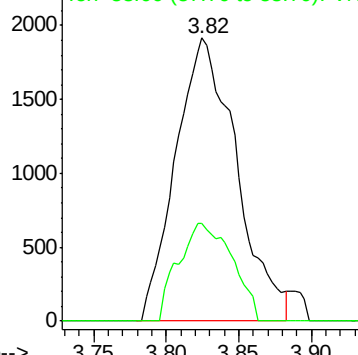
43 100

58 34.7 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: 461.285 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN056601.D

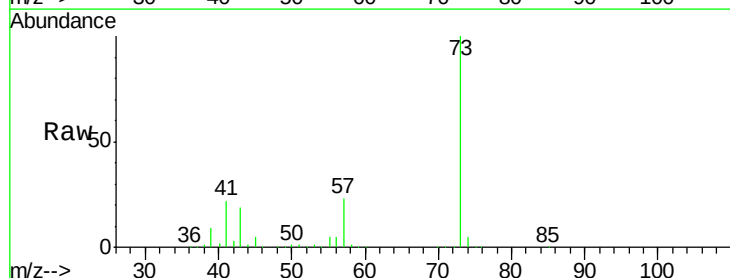
Acq: 3 Jul 2019 21:44

Tgt Ion: 73 Resp: 3756990

Ion Ratio Lower Upper

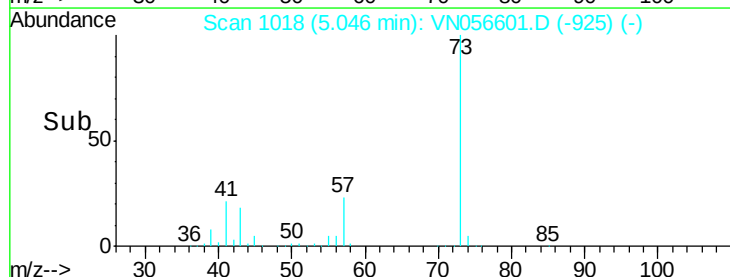
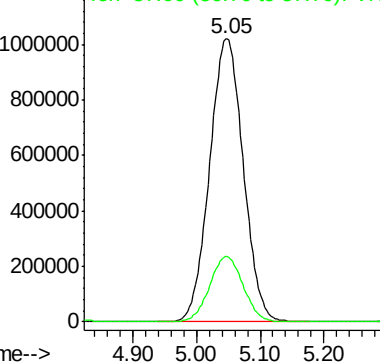
73 100

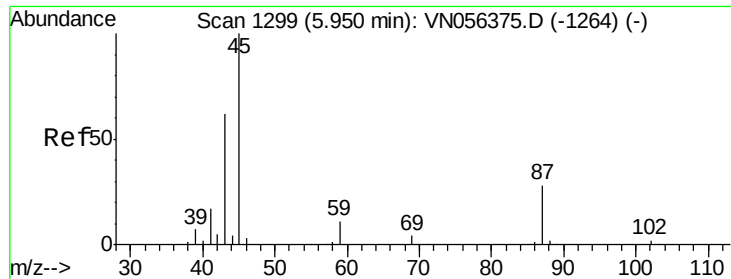
57 23.1 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#22

Diisopropyl ether

Concen: 7.380 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN056601.D

Acq: 3 Jul 2019 21:44

Instrument :

MSVOA_N

ClientSampled :

MW-7

Tot Ion: 45 Resp: 63505

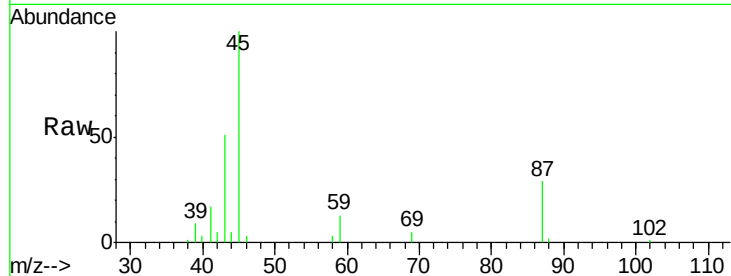
Ion Ratio Lower Upper

45 100

43 50.6 50.4 75.6

87 29.2 23.0 34.4

59 13.1 9.1 13.7

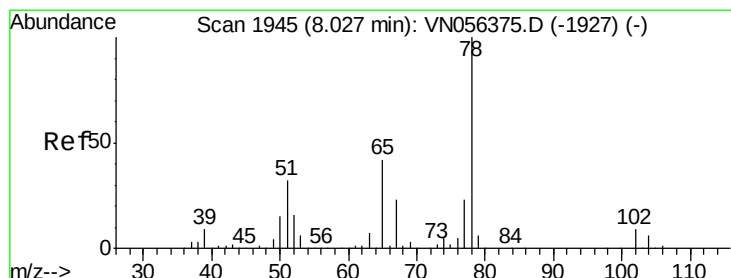
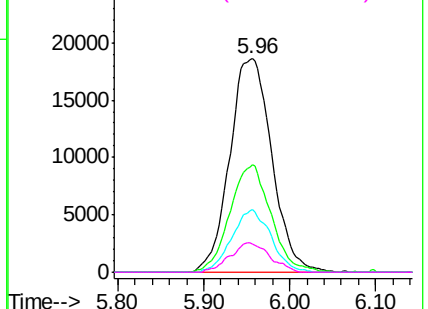
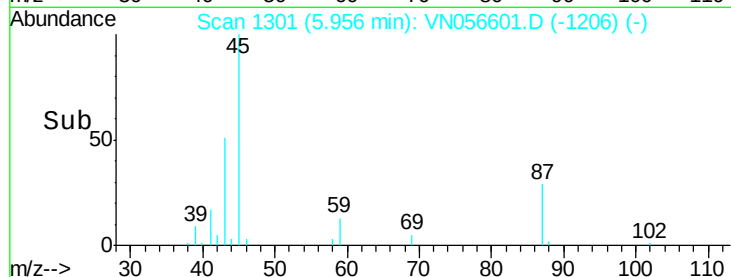


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.500 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056601.D

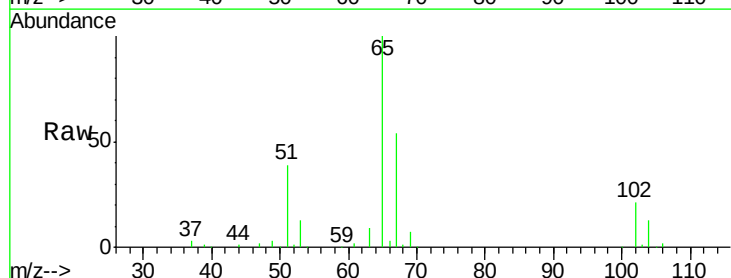
Acq: 3 Jul 2019 21:44

Tgt Ion: 65 Resp: 162126

Ion Ratio Lower Upper

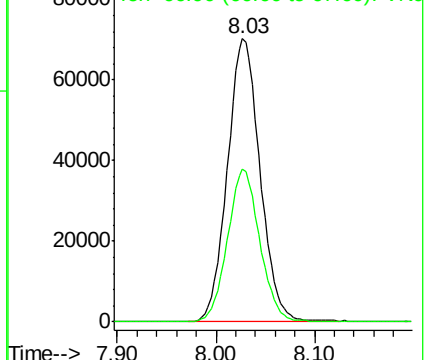
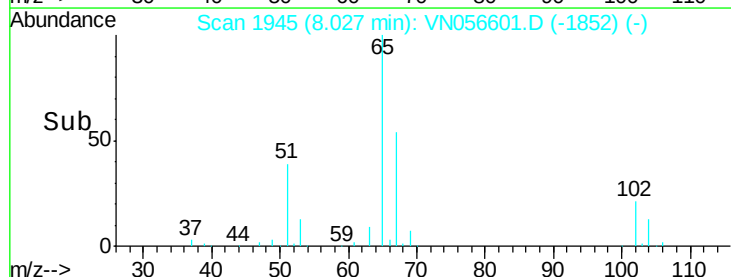
65 100

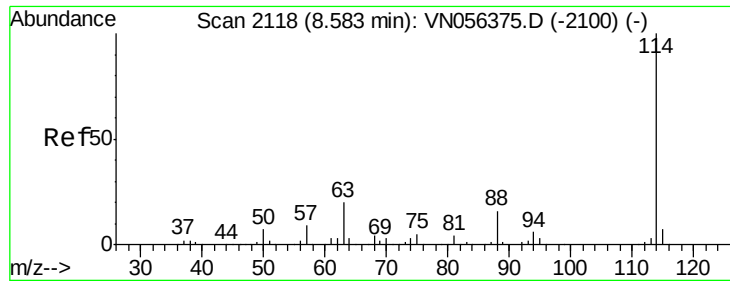
67 53.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

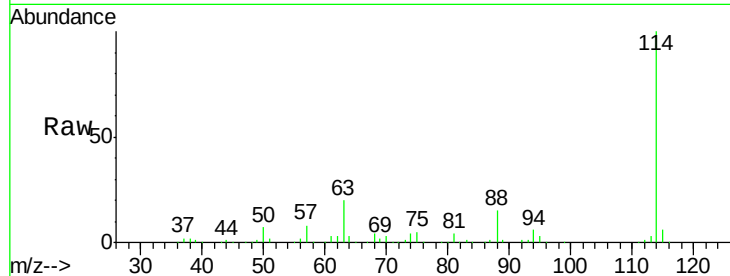




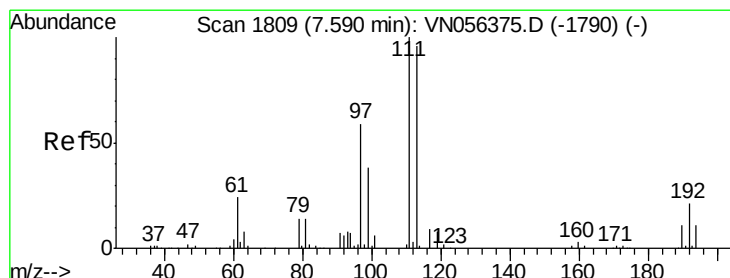
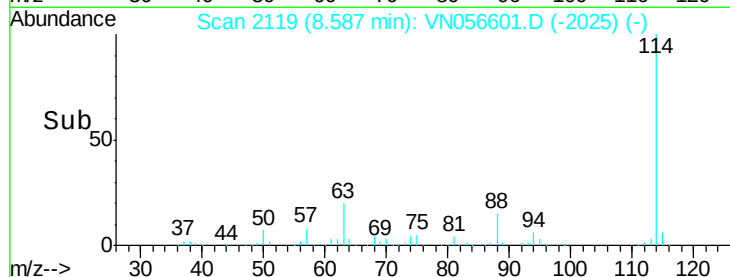
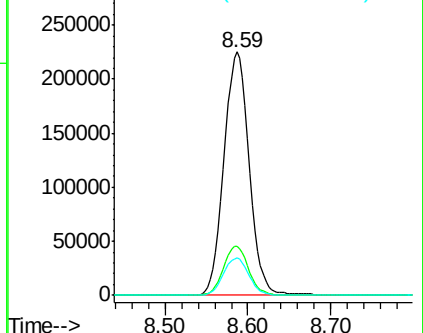
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056601.D
Acq: 3 Jul 2019 21:44

Instrument :
MSVOA_N
ClientSampleId :
MW-7

Tot Ion:114 Resp: 477371
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.2
88 15.3 0.0 31.4

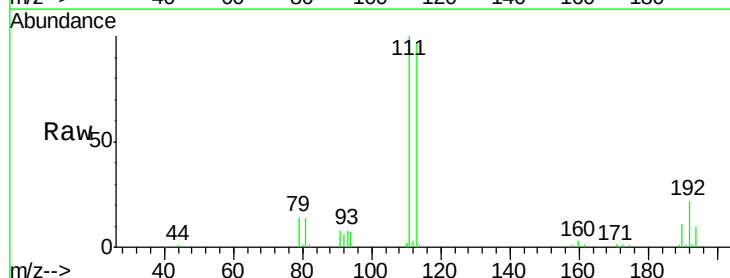


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

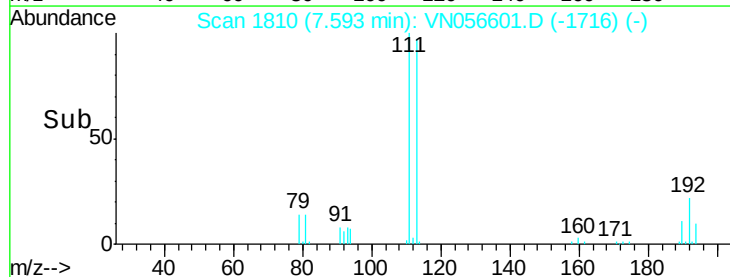
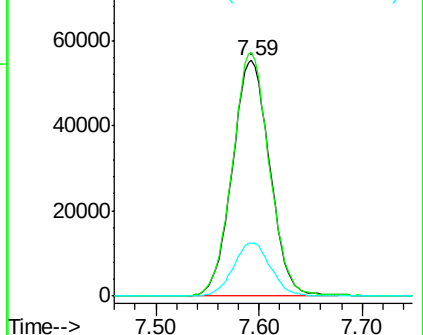


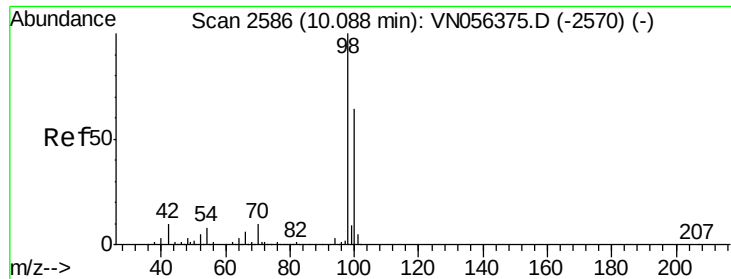
#35
Dibromofluoromethane
Concen: 46.941 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN056601.D
Acq: 3 Jul 2019 21:44

Tgt Ion:113 Resp: 139790
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 22.4 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

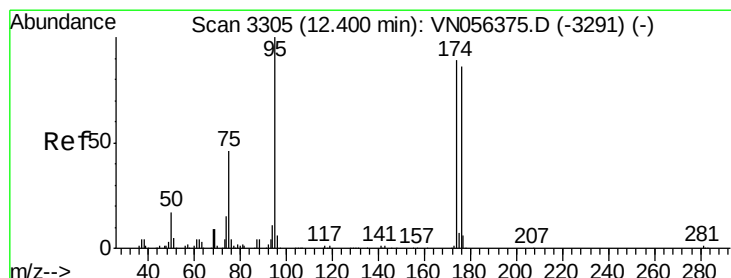
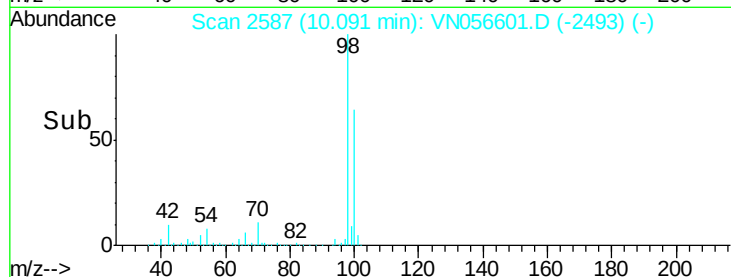
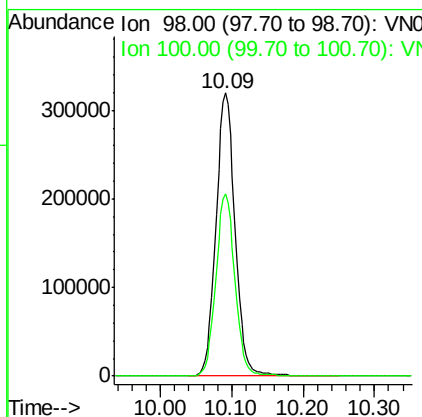
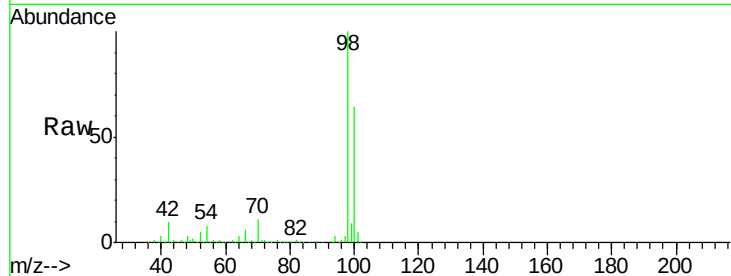




#50
Toluene-d8
Concen: 51.131 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056601.D
Acq: 3 Jul 2019 21:44

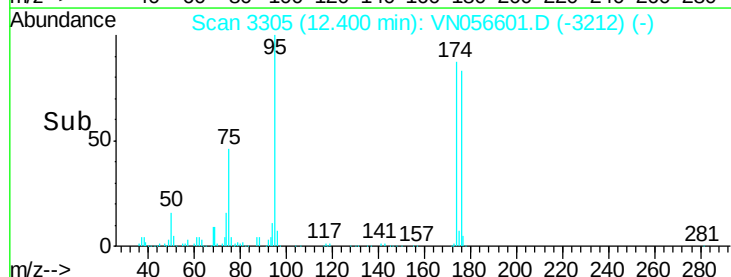
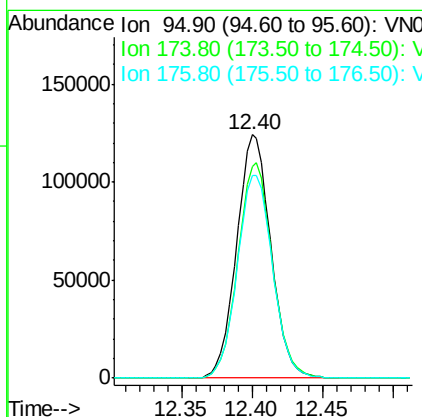
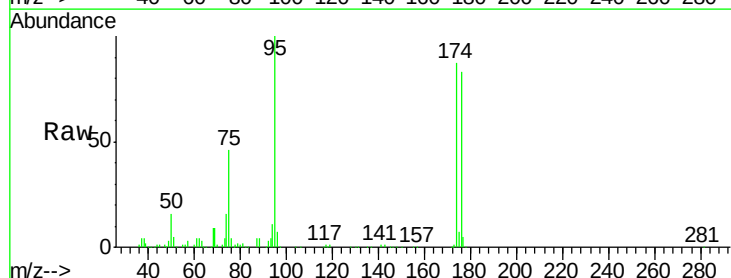
Instrument :
MSVOA_N
ClientSampled :
MW-7

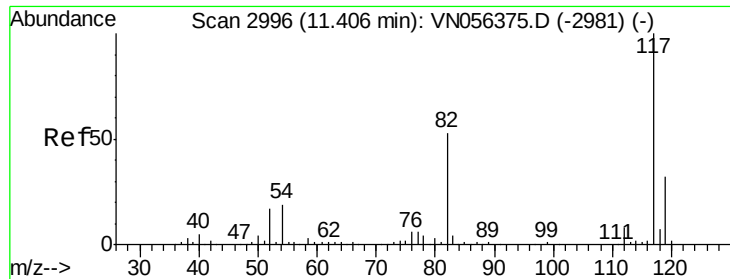
Tot Ion: 98 Resp: 592487
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.636 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056601.D
Acq: 3 Jul 2019 21:44

Tgt Ion: 95 Resp: 211049
Ion Ratio Lower Upper
95 100
174 88.9 0.0 179.4
176 86.1 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: VN056601.D

Acq: 3 Jul 2019 21:44

Instrument :

MSVOA_N

ClientSampled :

MW-7

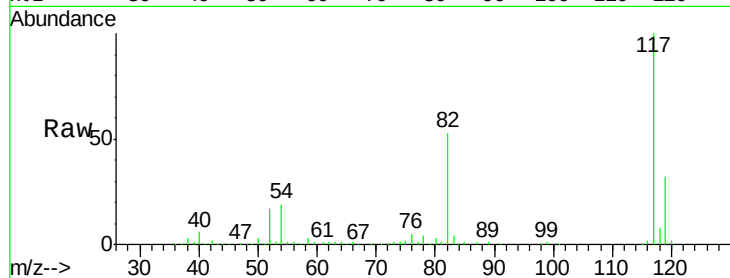
Tot Ion:117 Resp: 480166

Ion Ratio Lower Upper

117 100

82 53.0 42.0 63.0

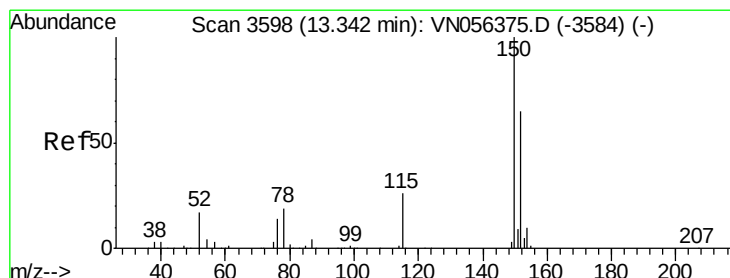
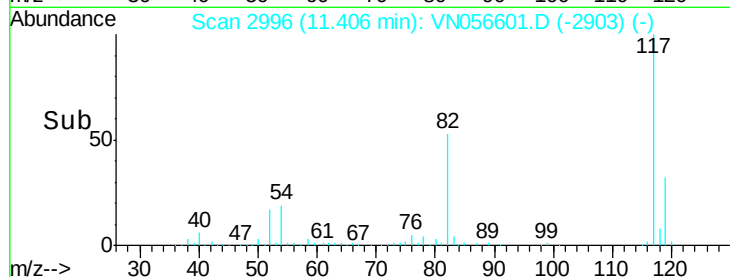
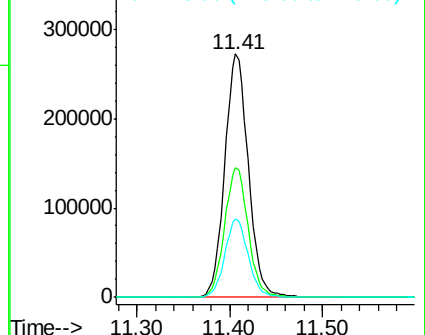
119 32.2 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056601.D

Acq: 3 Jul 2019 21:44

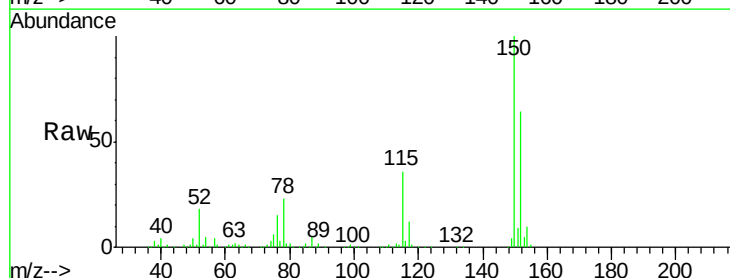
Tgt Ion:152 Resp: 180855

Ion Ratio Lower Upper

152 100

115 55.6 28.1 84.4

150 155.9 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

