

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058380.D
 Acq On : 26 Sep 2019 13:07
 Operator : JC/SP
 Sample : K5037-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30445

Quant Time: Sep 27 04:12:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

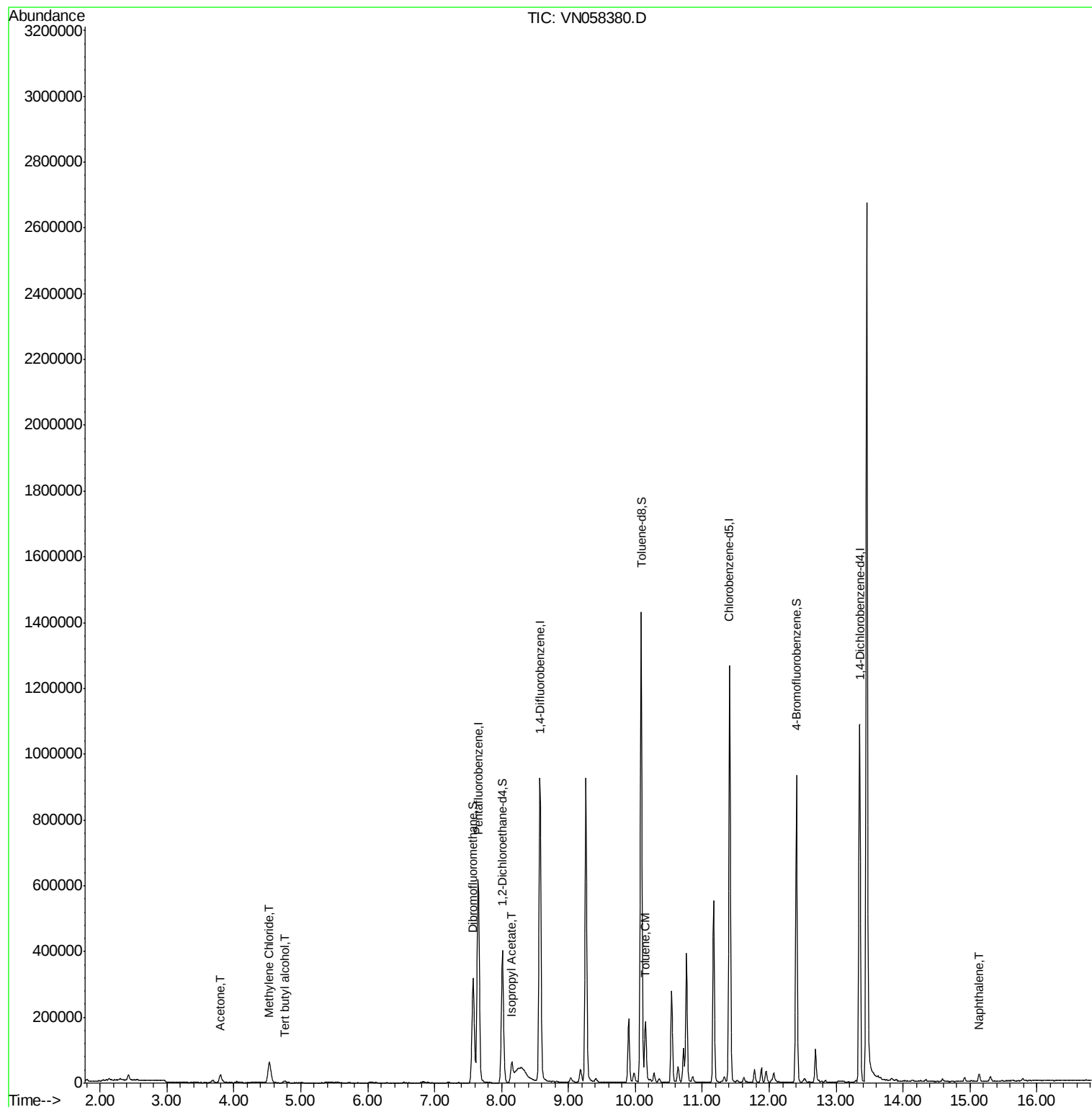
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	484353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	800453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	684525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272029	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	342446	50.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.52%	
35) Dibromofluoromethane	7.58	113	240675	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
50) Toluene-d8	10.09	98	982532	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.41	95	316347	44.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.76	59	8393	10.459	ug/l #	81
16) Acetone	3.80	43	41209	17.996	ug/l	94
20) Methylene Chloride	4.53	84	45317	11.131	ug/l	99
43) Isopropyl Acetate	8.15	43	87904	7.857	ug/l #	87
52) Toluene	10.15	92	76253	6.901	ug/l	95
95) Naphthalene	15.14	128	17777	1.368	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092619\
Data File : VN058380.D
Acq On : 26 Sep 2019 13:07
Operator : JC/SP
Sample : K5037-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
30445

Quant Time: Sep 27 04:12:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

Instrument :

MSVOA_N

ClientSampled :

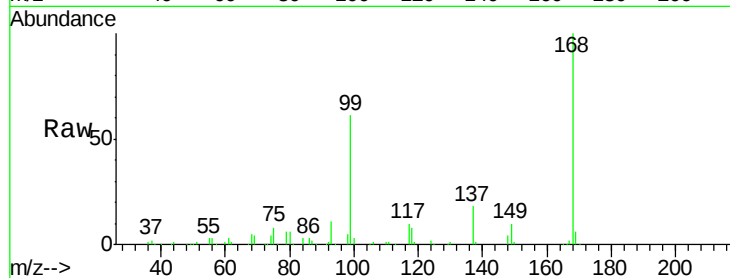
30445

Tot Ion:168 Resp: 484353

Ion Ratio Lower Upper

168 100

99 61.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

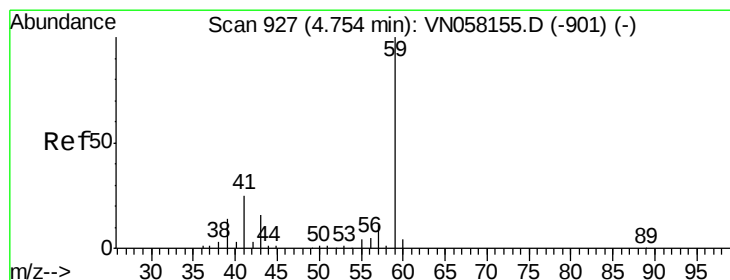
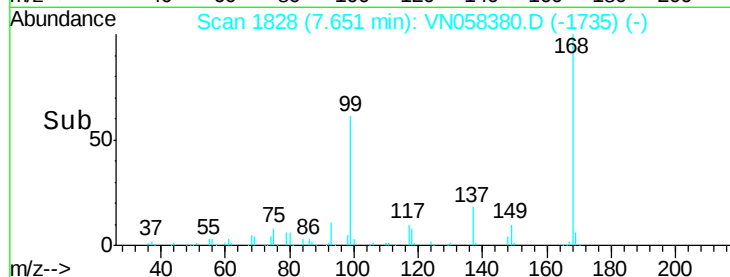
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 10.459 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058380.D

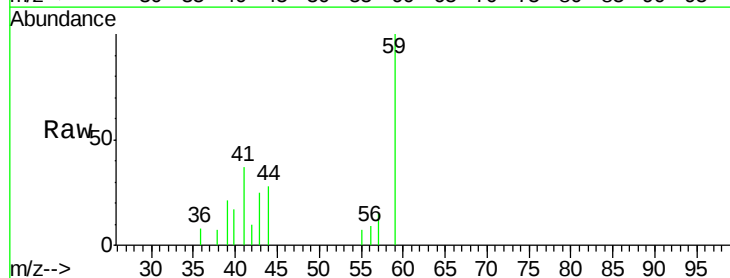
Acq: 26 Sep 2019 13:07

Tgt Ion: 59 Resp: 8393

Ion Ratio Lower Upper

59 100

57 3.6 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

2500

2000

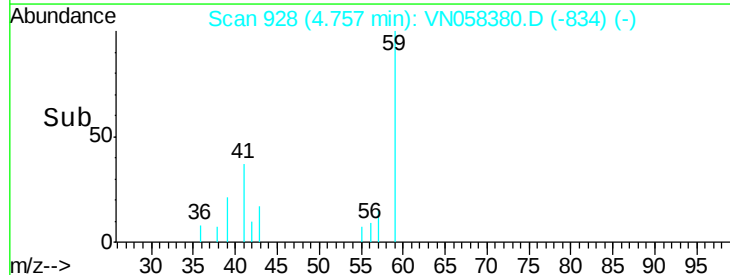
1500

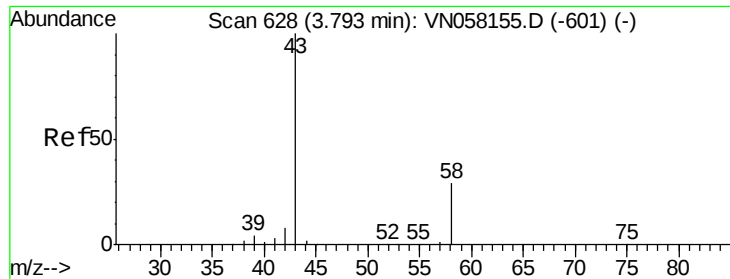
1000

500

0

Time-->





#16

Acetone

Concen: 17.996 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

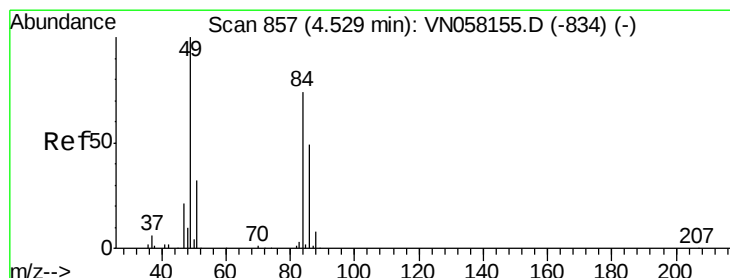
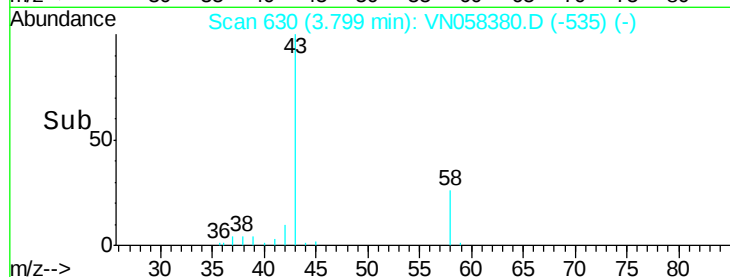
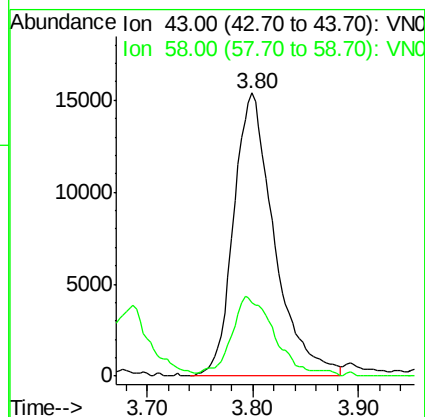
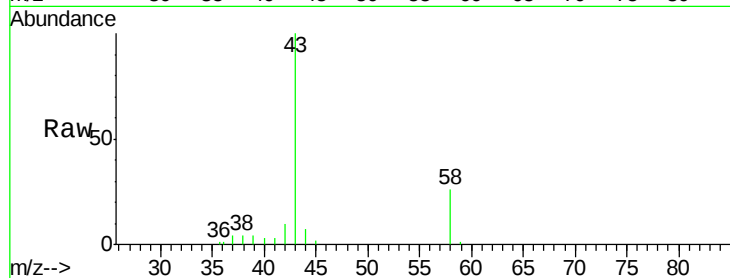
30445

Tot Ion: 43 Resp: 41209

Ion Ratio Lower Upper

43 100

58 25.8 23.4 35.2



#20

Methylene Chloride

Concen: 11.131 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

Tgt Ion: 84 Resp: 45317

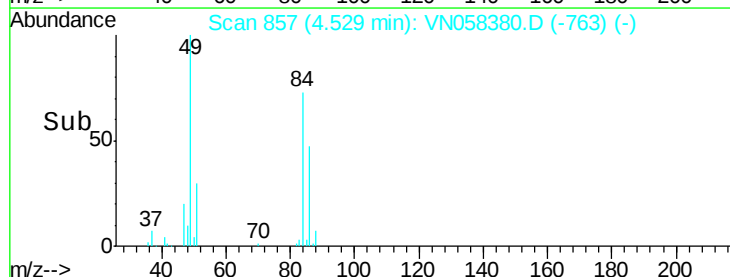
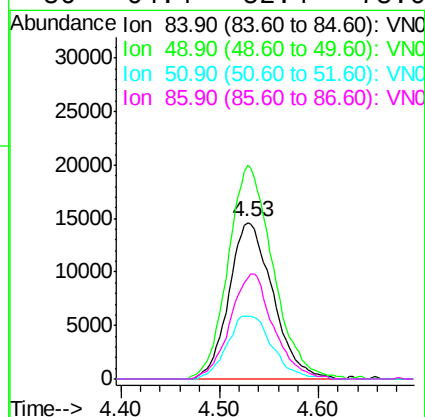
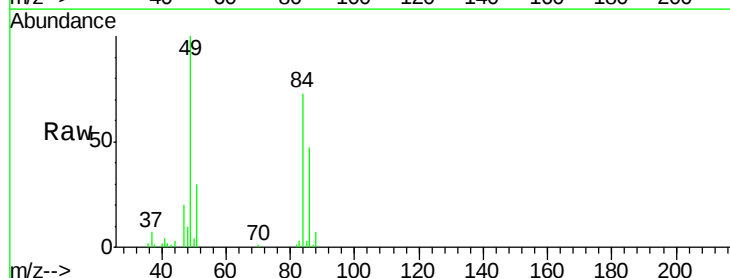
Ion Ratio Lower Upper

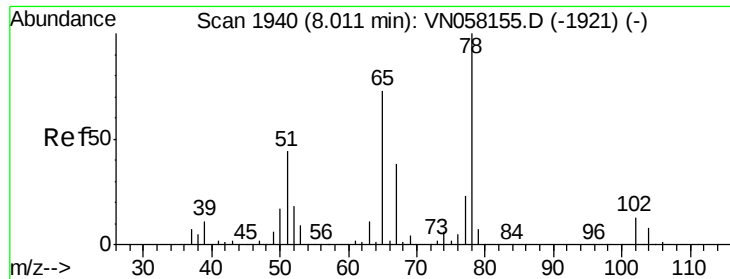
84 100

49 134.9 107.5 161.3

51 40.2 33.9 50.9

86 64.4 52.4 78.6





#33

1,2-Dichloroethane-d4

Concen: 50.762 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

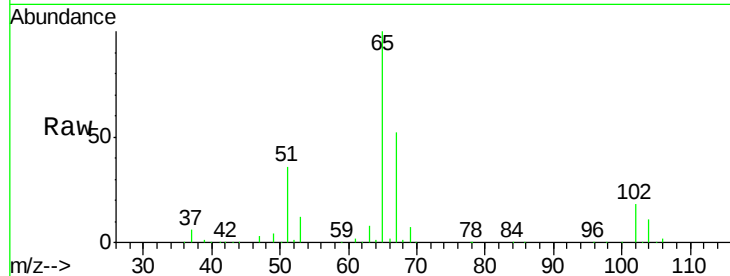
30445

Tot Ion: 65 Resp: 342446

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN058380.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058380.D (-1847) (-)

8.01

150000

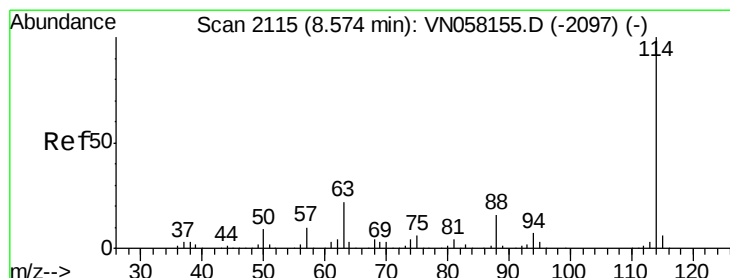
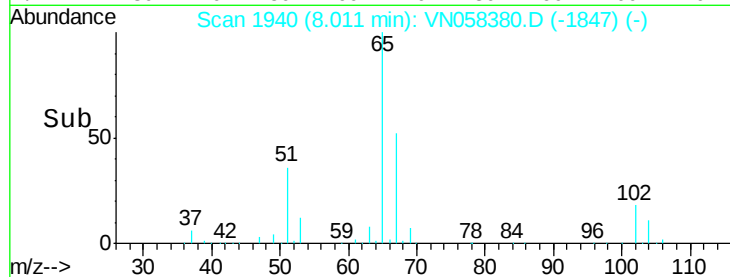
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

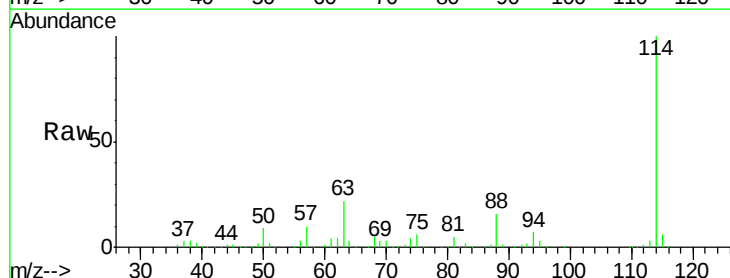
Tgt Ion: 114 Resp: 800453

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

88 16.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN058380.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058380.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058380.D (-2022) (-)

8.57

500000

400000

300000

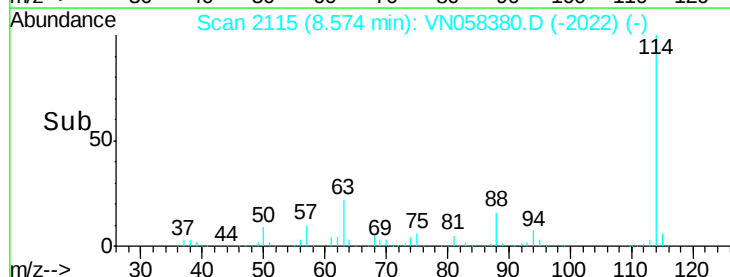
200000

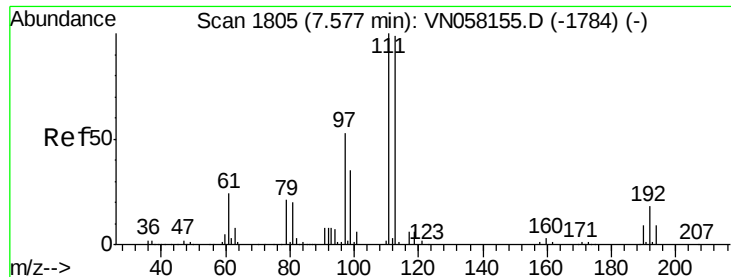
100000

0

8.50 8.60 8.70

Time-->

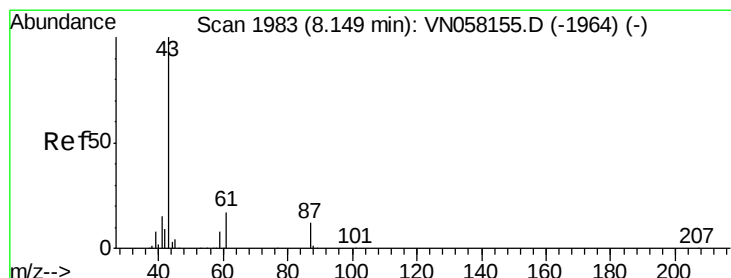
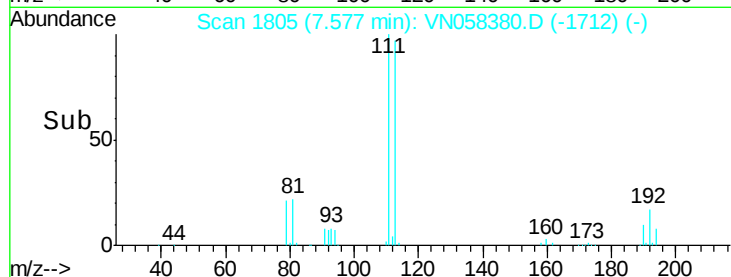
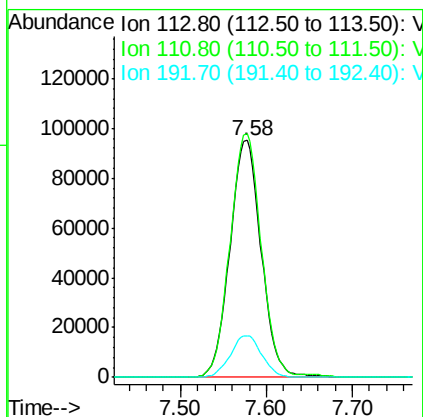
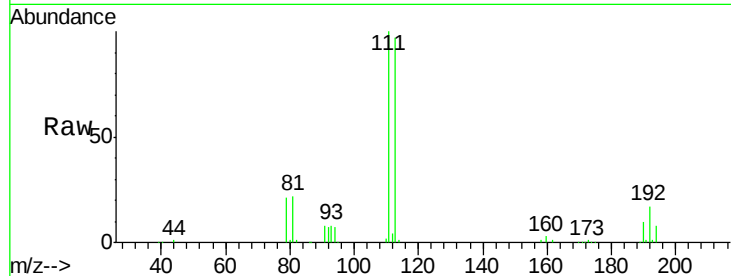




#35
 Dibromofluoromethane
 Concen: 49.460 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058380.D
 Acq: 26 Sep 2019 13:07

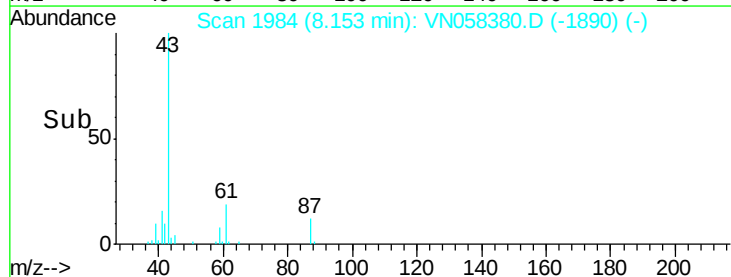
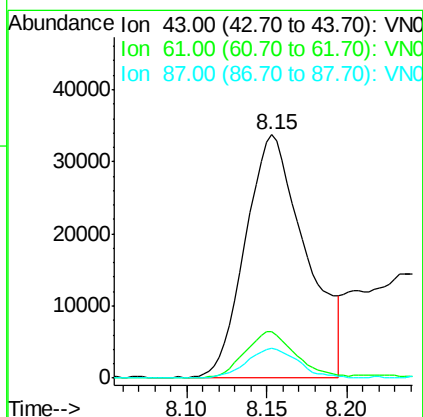
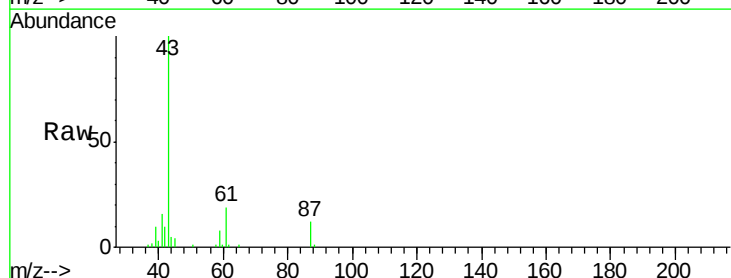
Instrument :
 MSVOA_N
 ClientSampleId :
 30445

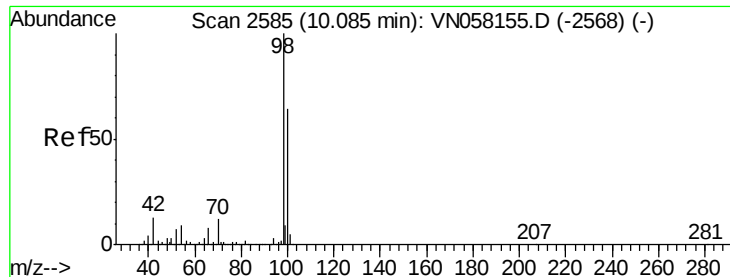
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.8	14.5	21.7



#43
 Isopropyl Acetate
 Concen: 7.857 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058380.D
 Acq: 26 Sep 2019 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	19.7	29.5#
87	10.3	9.4	14.2





#50

Toluene-d8

Concen: 51.823 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

Instrument :

MSVOA_N

ClientSampled :

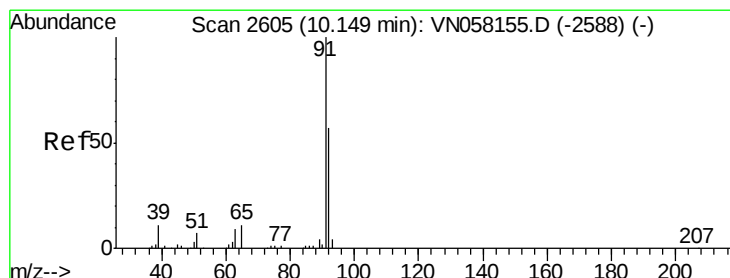
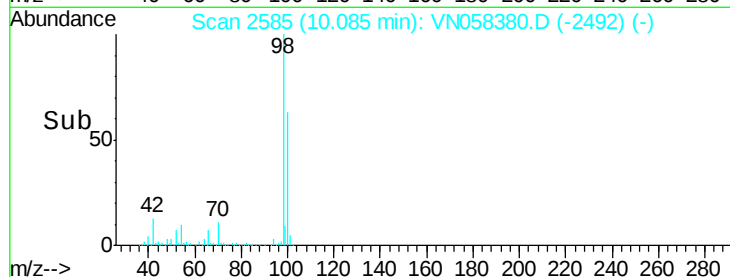
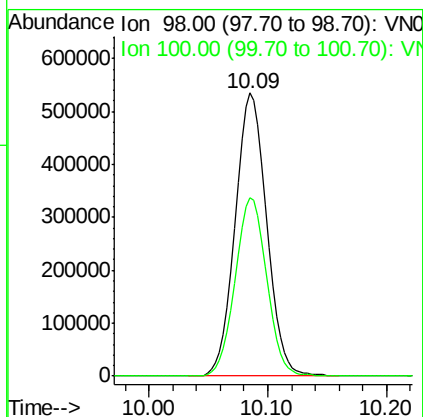
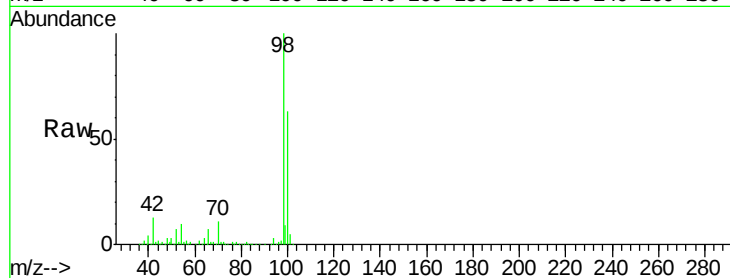
30445

Tot Ion: 98 Resp: 982532

Ion Ratio Lower Upper

98 100

100 63.2 51.1 76.7



#52

Toluene

Concen: 6.901 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058380.D

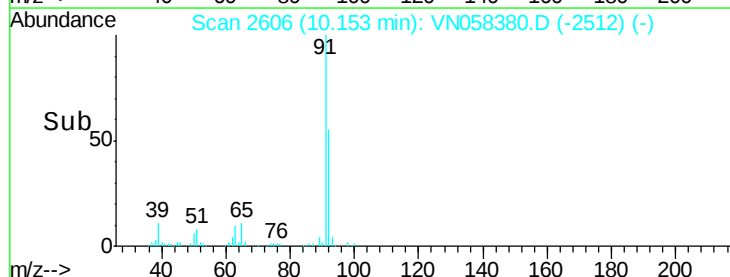
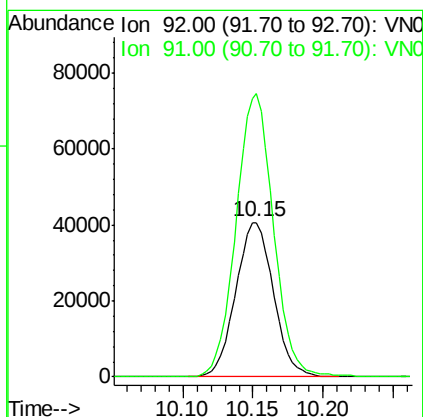
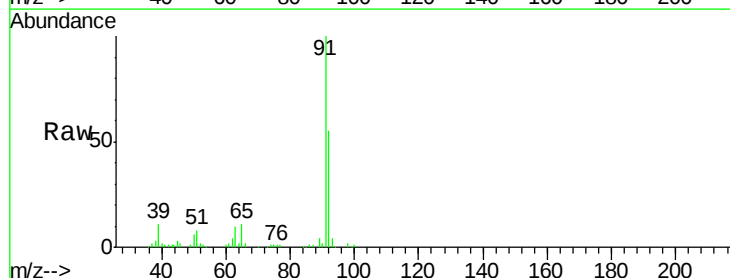
Acq: 26 Sep 2019 13:07

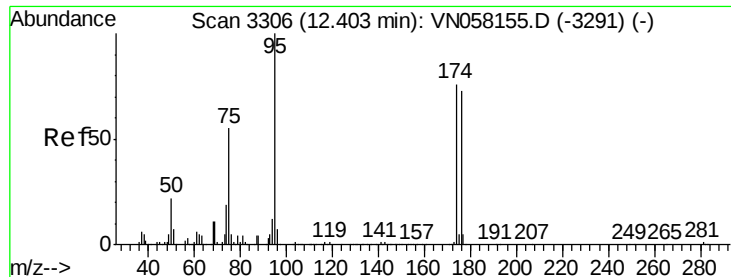
Tgt Ion: 92 Resp: 76253

Ion Ratio Lower Upper

92 100

91 182.1 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 44.919 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

30445

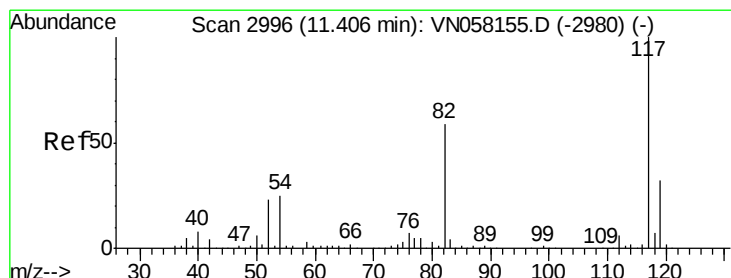
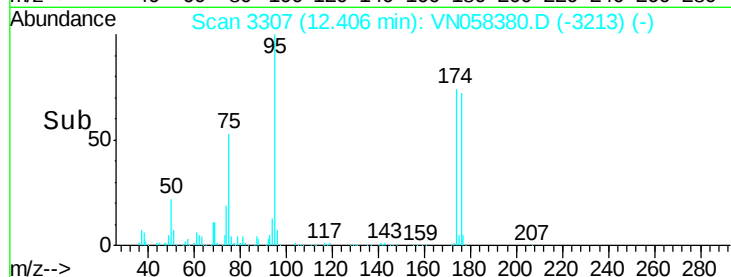
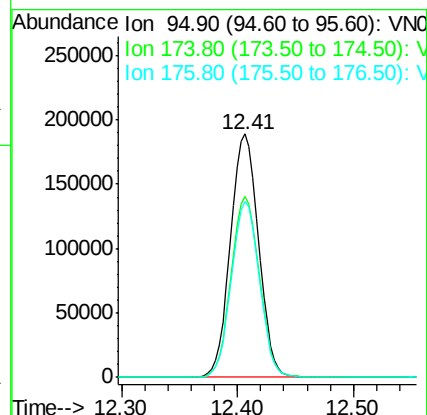
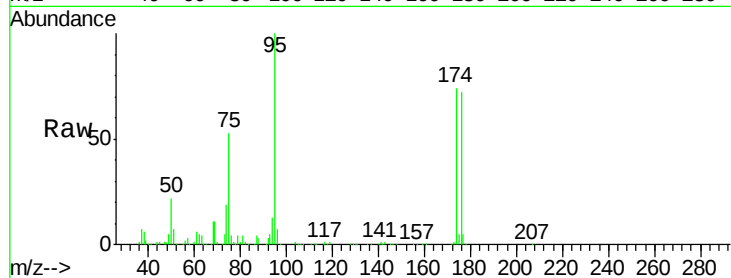
Tot Ion: 95 Resp: 316347

Ion Ratio Lower Upper

95 100

174 74.6 0.0 152.2

176 72.2 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

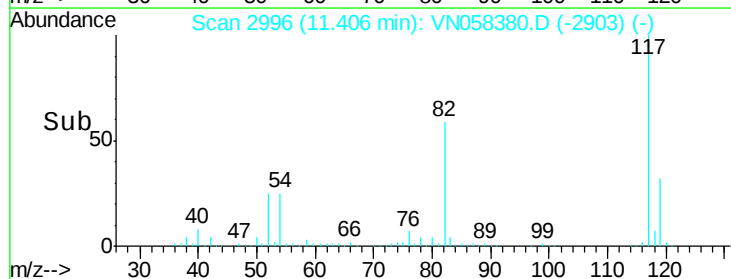
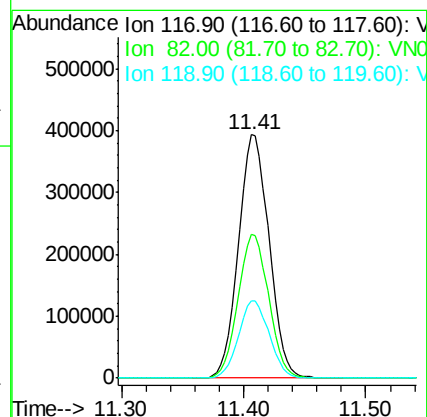
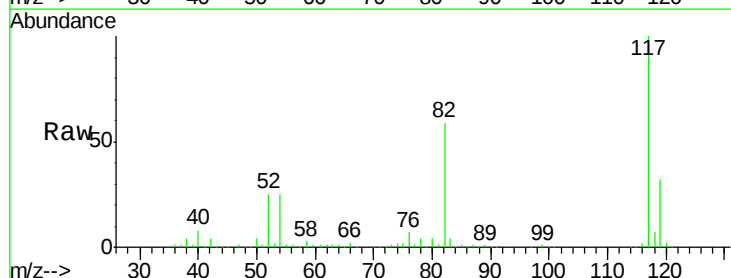
Tgt Ion: 117 Resp: 684525

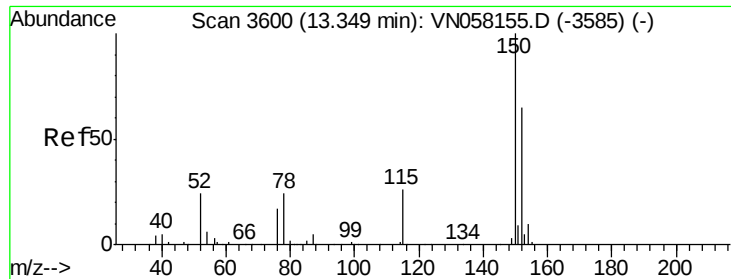
Ion Ratio Lower Upper

117 100

82 59.0 46.9 70.3

119 31.9 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

30445

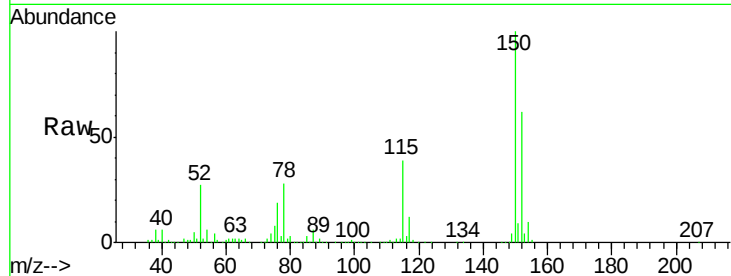
Tot Ion:152 Resp: 272029

Ion Ratio Lower Upper

152 100

115 63.0 30.1 90.3

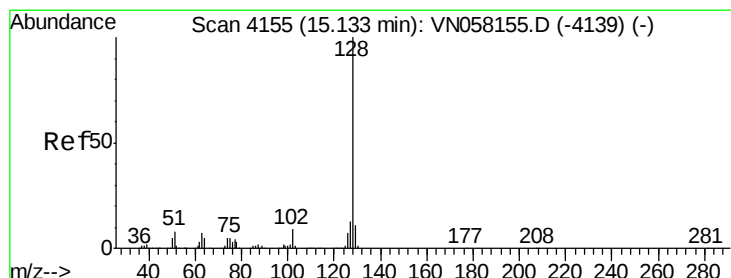
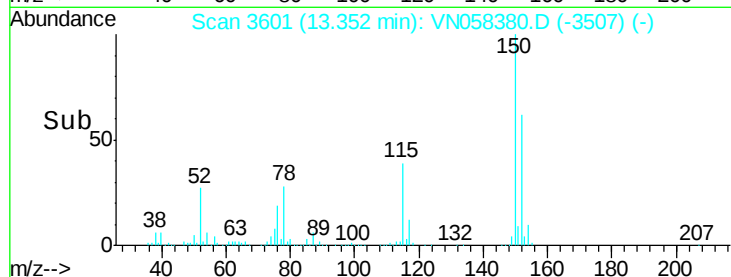
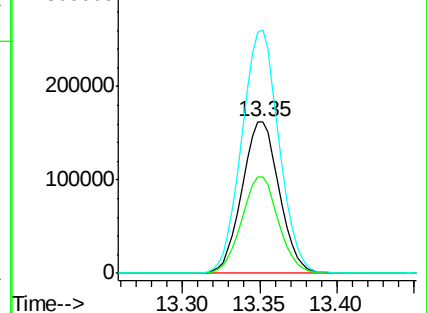
150 160.5 0.0 346.4



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: 1.368 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058380.D

Acq: 26 Sep 2019 13:07

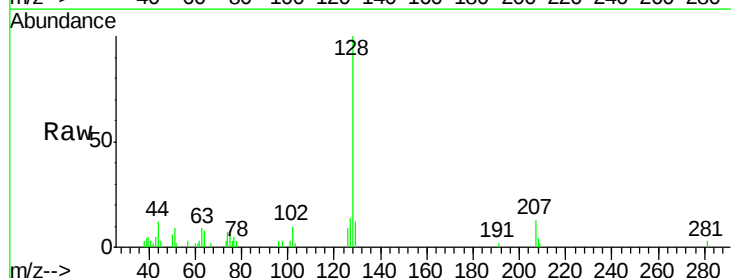
Tgt Ion:128 Resp: 17777

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.1 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

