

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059789.D
 Acq On : 20 Jan 2020 16:07
 Operator : JC/MD
 Sample : L1181-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 93OAK-AVE-COMP

Quant Time: Jan 21 02:47:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

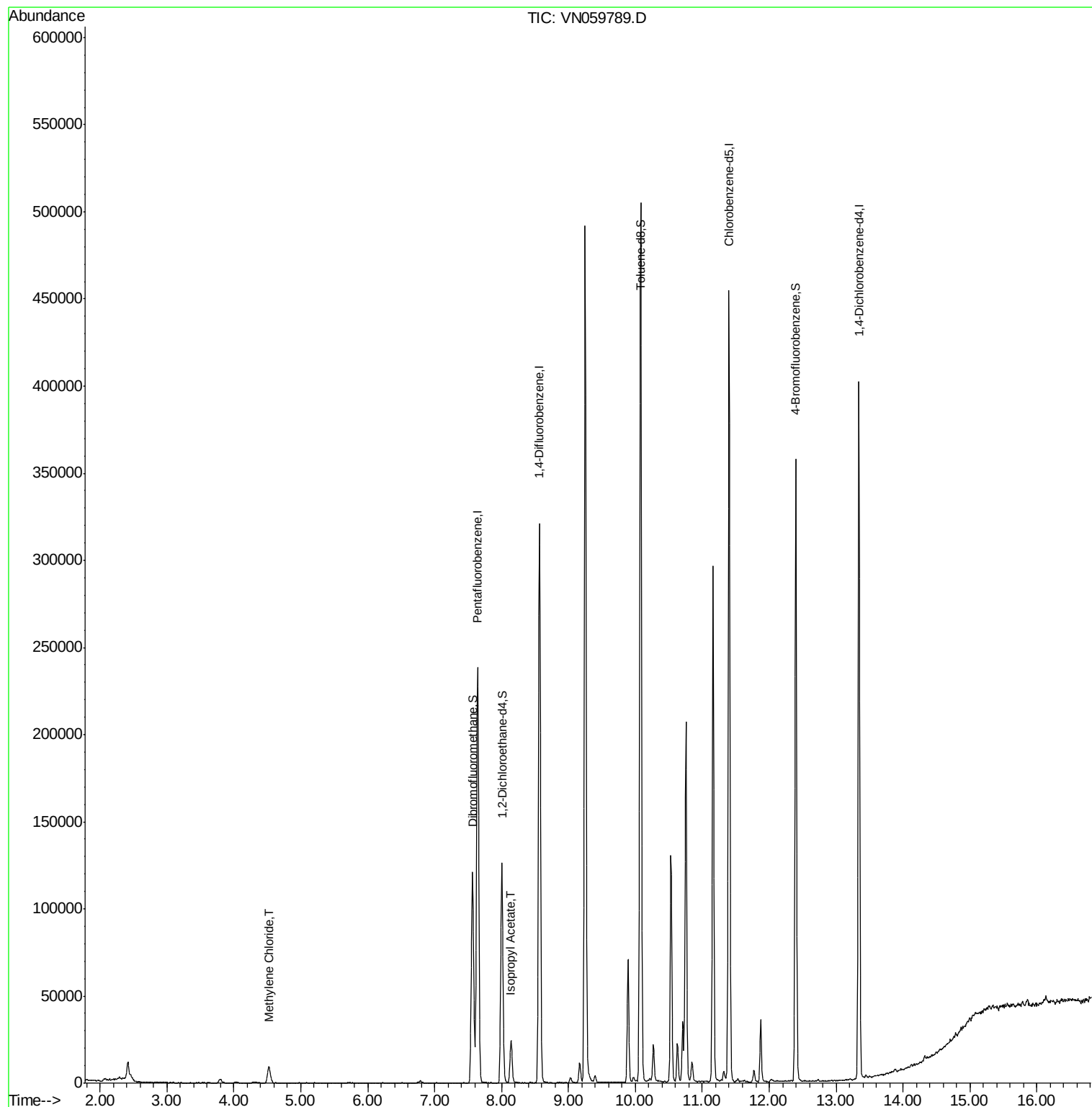
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111486	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	107774	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
35) Dibromofluoromethane	7.57	113	93362	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
50) Toluene-d8	10.08	98	356299	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	118600	46.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.54%	
Target Compounds						
20) Methylene Chloride	4.52	84	8111	2.649	ug/l #	82
43) Isopropyl Acetate	8.14	43	29354	6.791	ug/l	92

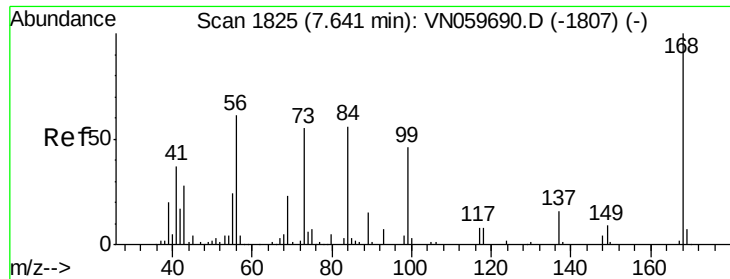
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059789.D

Acq: 20 Jan 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

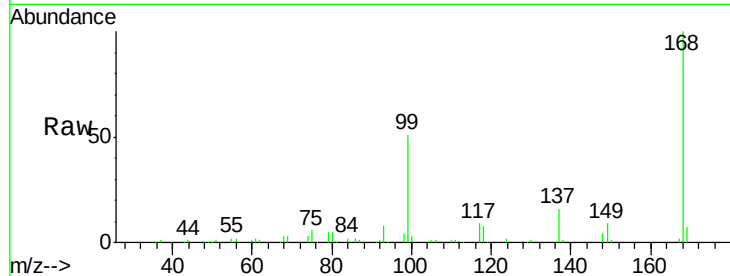
93OAK-AVE-COMP

Tot Ion:168 Resp: 208355

Ion Ratio Lower Upper

168 100

99 50.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

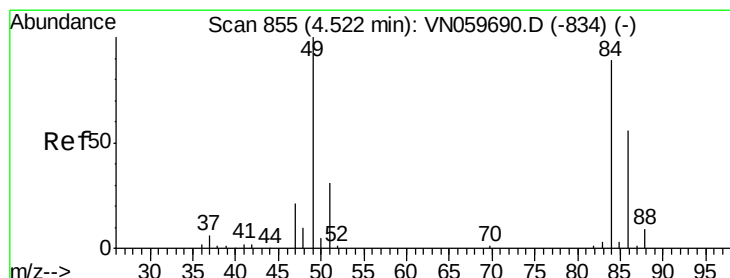
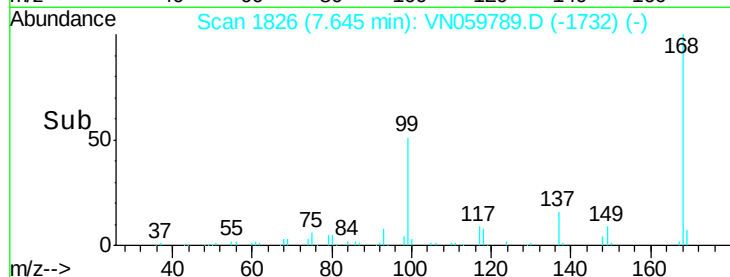
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#20

Methylene Chloride

Concen: 2.649 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059789.D

Acq: 20 Jan 2020 16:07

Tgt Ion: 84 Resp: 8111

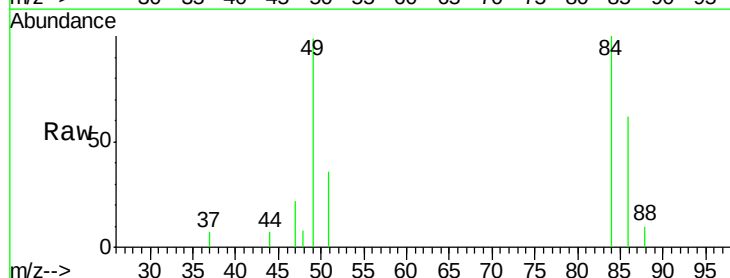
Ion Ratio Lower Upper

84 100

49 99.2 106.6 160.0#

51 35.5 31.9 47.9

86 62.0 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

4000

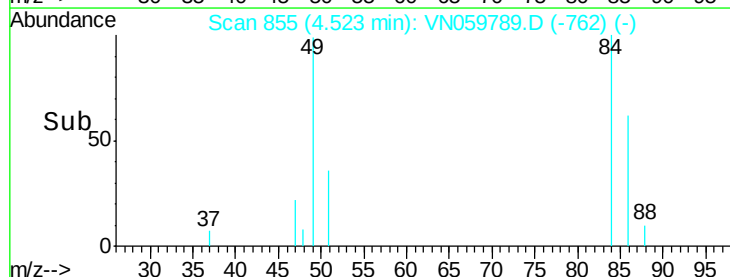
3000

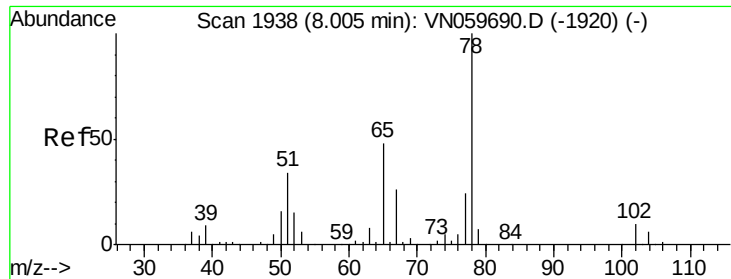
2000

1000

0

Time--> 4.45 4.50 4.55 4.60

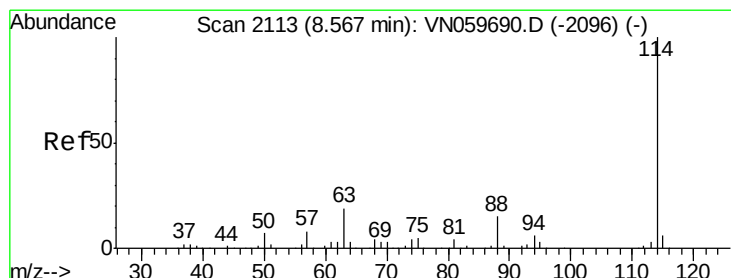
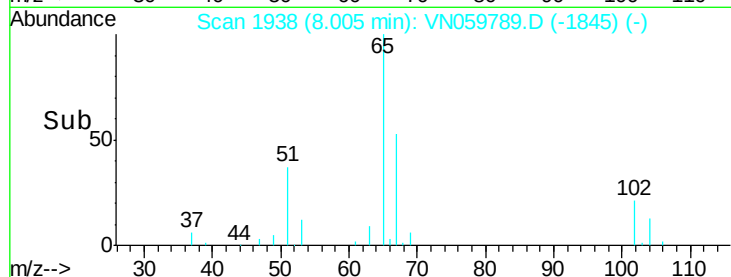
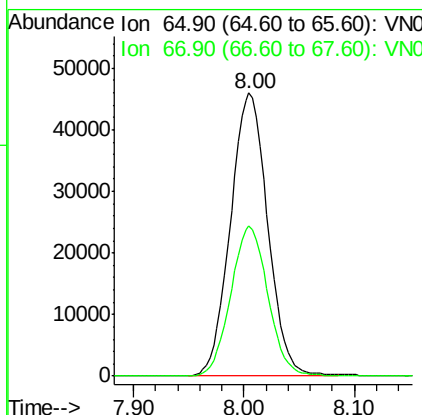
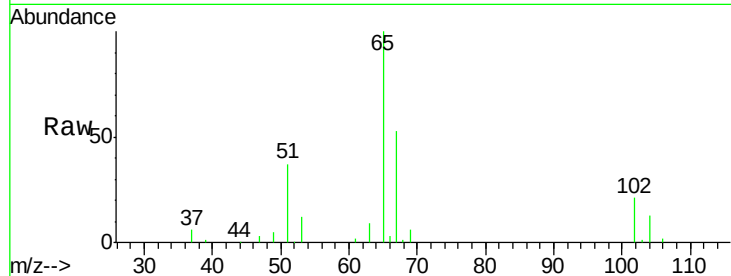




#33
 1,2-Dichloroethane-d4
 Concen: 46.578 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059789.D
 Acq: 20 Jan 2020 16:07

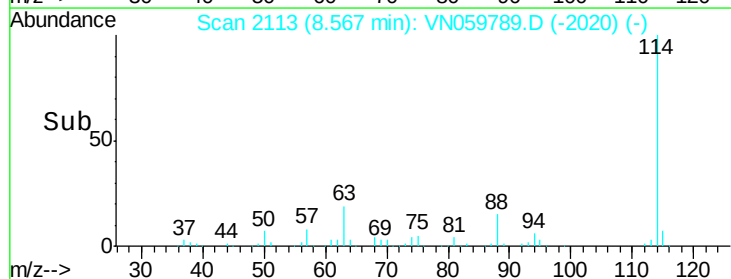
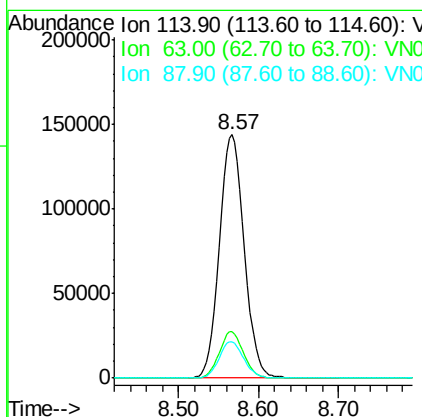
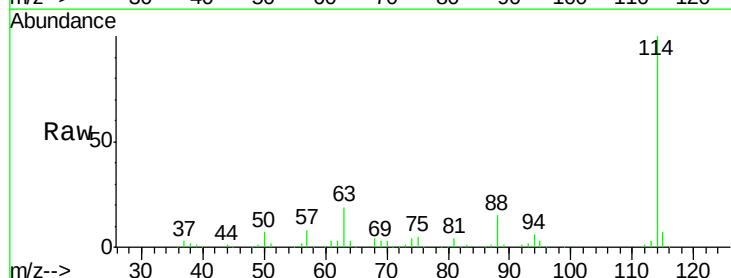
Instrument :
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 93OAK-AVE-COMP

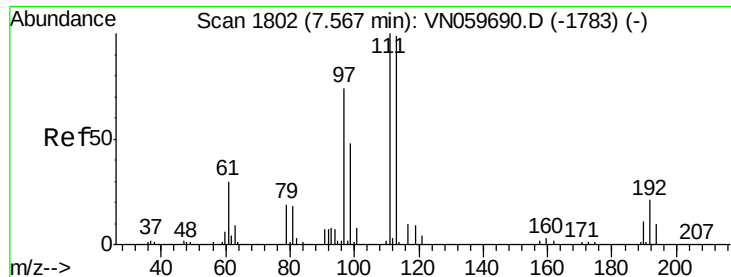
Tot Ion: 65 Resp: 107774
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059789.D
 Acq: 20 Jan 2020 16:07

Tgt Ion: 114 Resp: 307698
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.6
 88 15.0 0.0 31.4

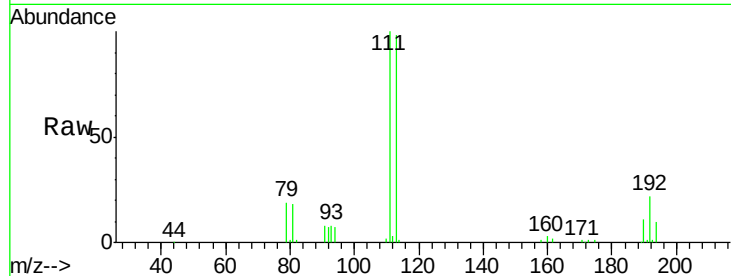




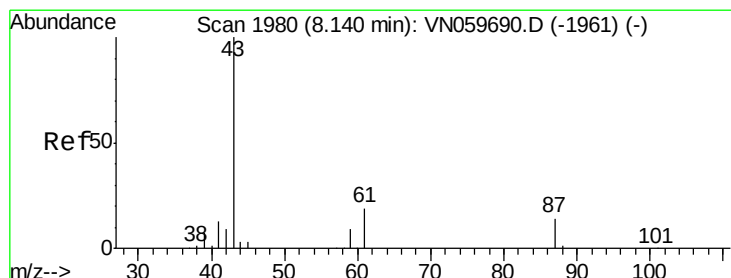
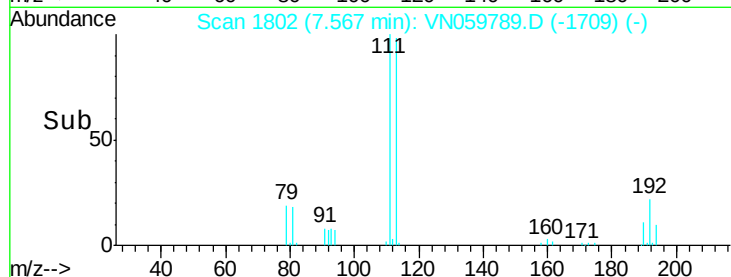
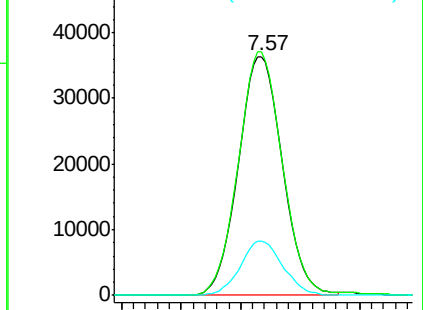
#35
 Dibromofluoromethane
 Concen: 50.880 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059789.D
 Acq: 20 Jan 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 93OAK-AVE-COMP

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.5	125.3
192	21.8	15.4	23.2

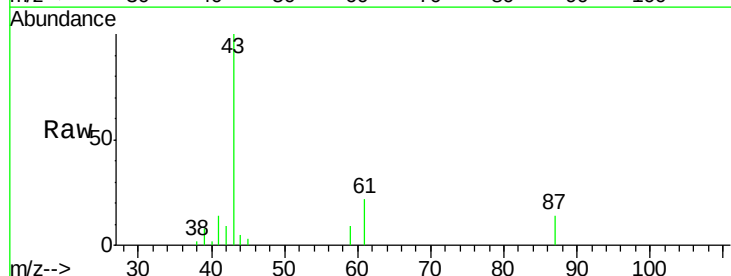


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

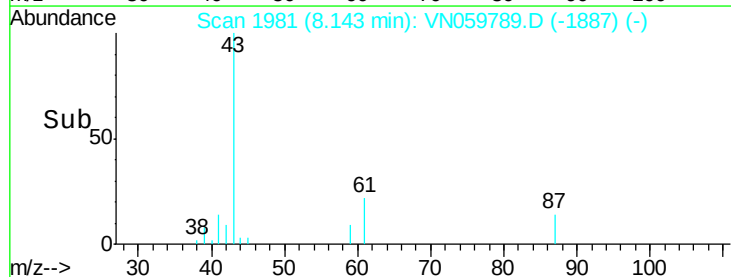
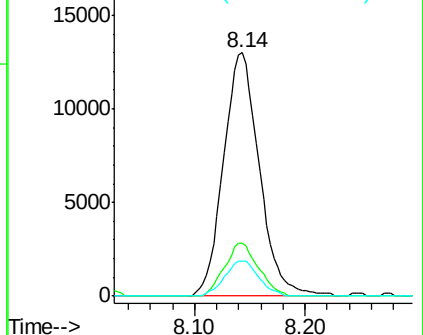


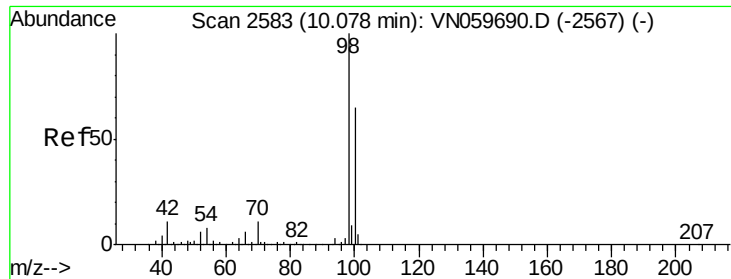
#43
 Isopropyl Acetate
 Concen: 6.791 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VN059789.D
 Acq: 20 Jan 2020 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	20.2	30.2
87	13.6	9.5	14.3



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: 50.116 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059789.D

Acq: 20 Jan 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

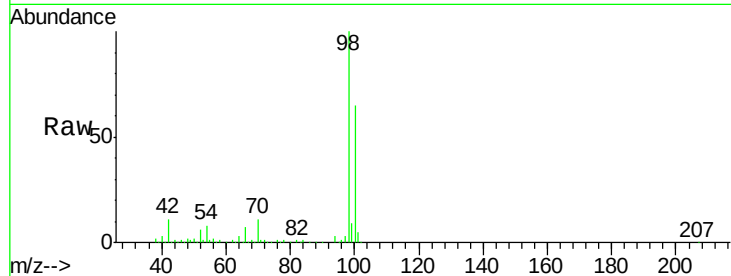
93OAK-AVE-COMP

Tot Ion: 98 Resp: 356299

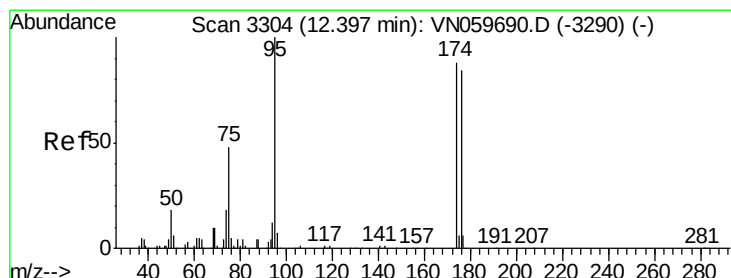
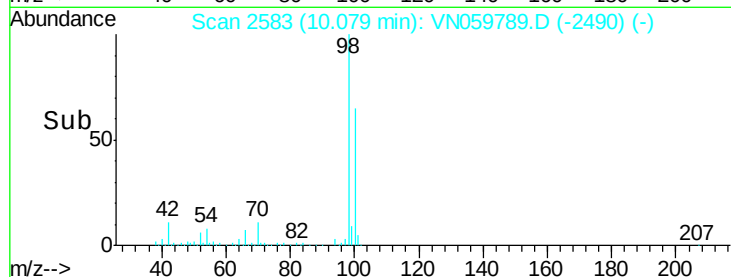
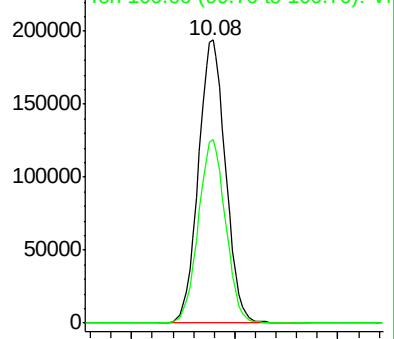
Ion Ratio Lower Upper

98 100

100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)



#62

4-Bromofluorobenzene

Concen: 46.275 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059789.D

Acq: 20 Jan 2020 16:07

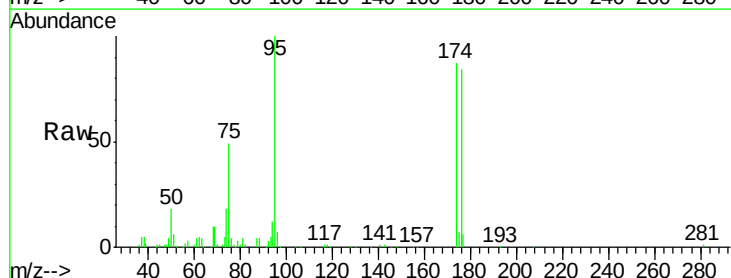
Tgt Ion: 95 Resp: 118600

Ion Ratio Lower Upper

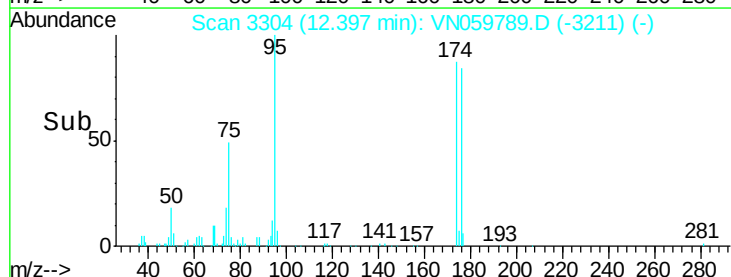
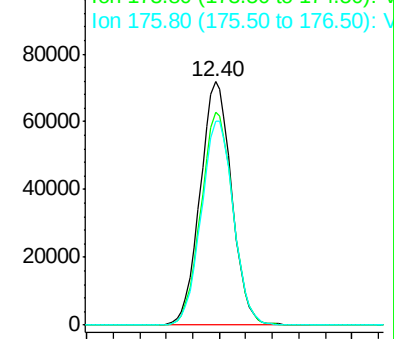
95 100

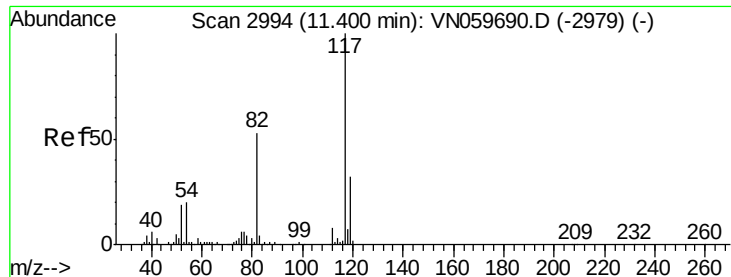
174 88.4 0.0 151.4

176 85.7 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059690.D (-3290) (-)

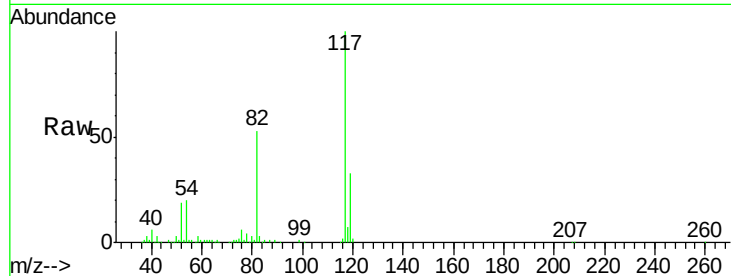




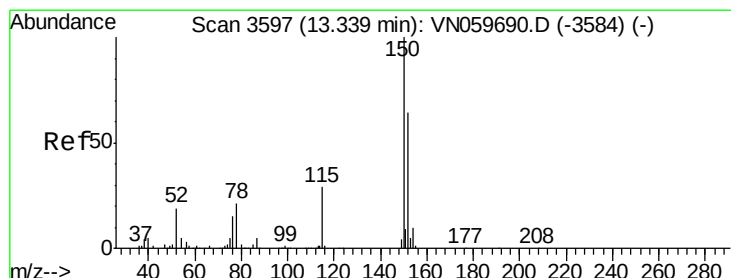
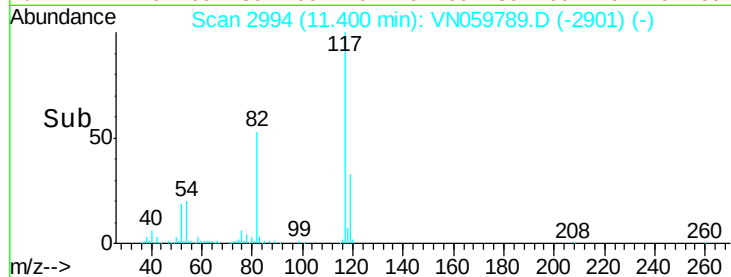
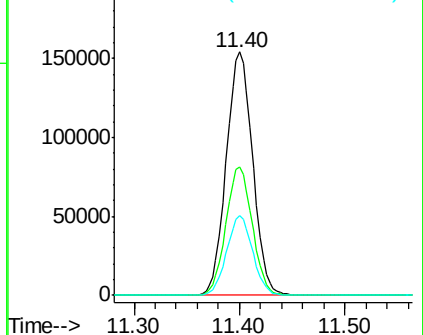
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059789.D
Acq: 20 Jan 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
93OAK-AVE-COMP

Tot Ion:117 Resp: 267079
Ion Ratio Lower Upper
117 100
82 52.8 45.9 68.9
119 32.9 25.5 38.3

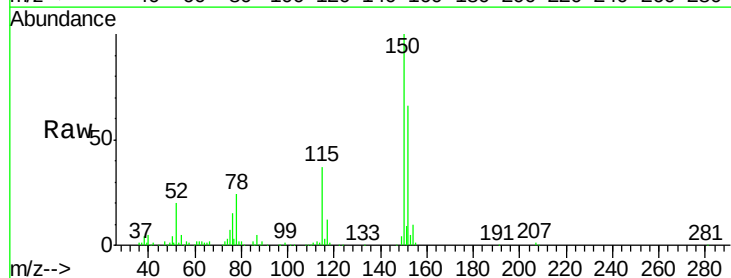


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059789.D
Acq: 20 Jan 2020 16:07

Tgt Ion:152 Resp: 111486
Ion Ratio Lower Upper
152 100
115 56.6 30.3 90.9
150 154.7 0.0 345.2



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

