

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\
 Data File : VN060211.D
 Acq On : 24 Feb 2020 15:40
 Operator : JC/MD
 Sample : PB127001ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#04

Quant Time: Feb 24 17:02:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

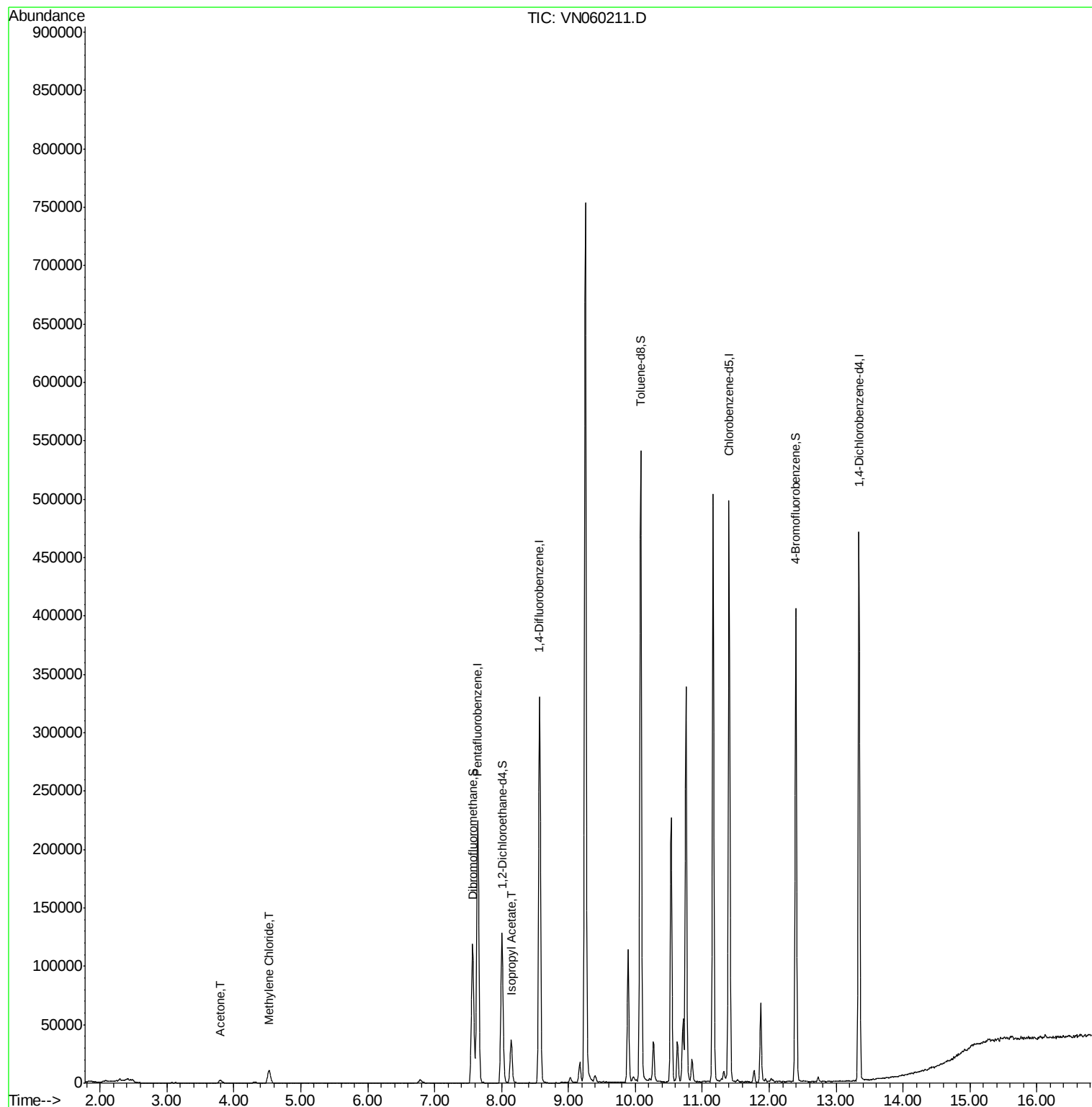
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	302154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	290292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129384	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	114024	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.14%	
35) Dibromofluoromethane	7.57	113	91089	49.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.08%	
50) Toluene-d8	10.08	98	367771	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.40	95	133364	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
Target Compounds						
16) Acetone	3.80	43	4497	4.392	ug/l	98
20) Methylene Chloride	4.53	84	8879	4.346	ug/l	96
43) Isopropyl Acetate	8.14	43	43647	10.095	ug/l #	90

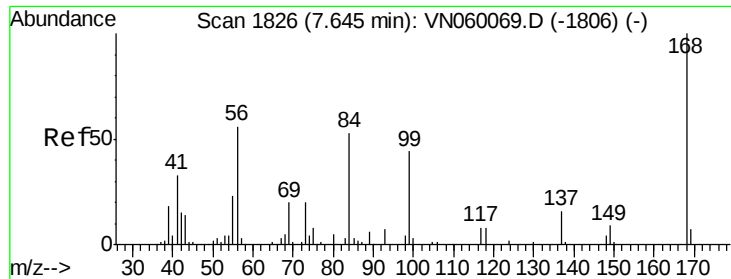
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 12 14:12:21 2020
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: VN060211.D

Acq: 24 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

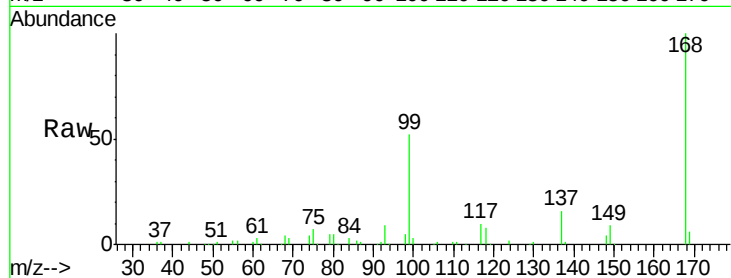
PB127001ZHE#04

Tot Ion:168 Resp: 192922

Ion Ratio Lower Upper

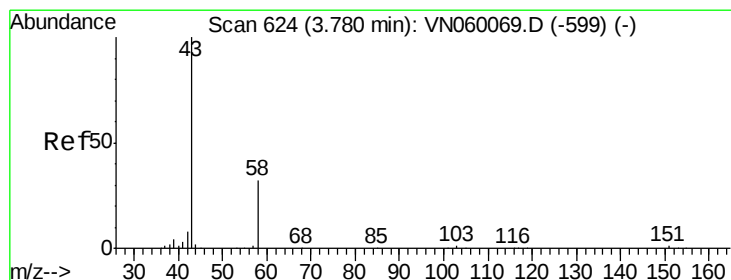
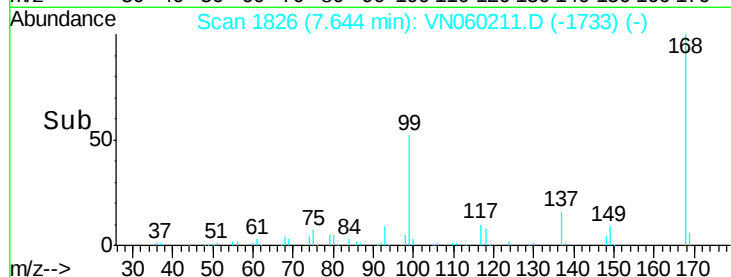
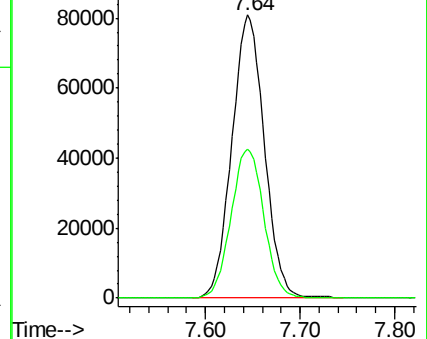
168 100

99 52.4 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)



#16

Acetone

Concen: 4.392 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN060211.D

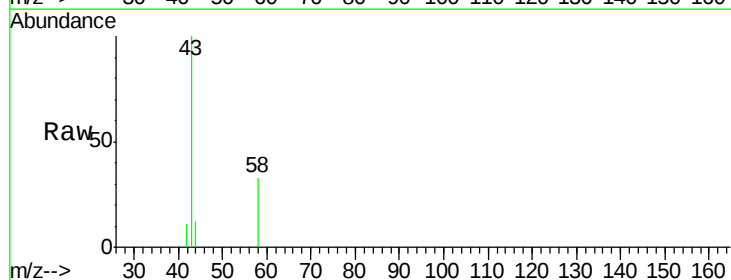
Acq: 24 Feb 2020 15:40

Tgt Ion: 43 Resp: 4497

Ion Ratio Lower Upper

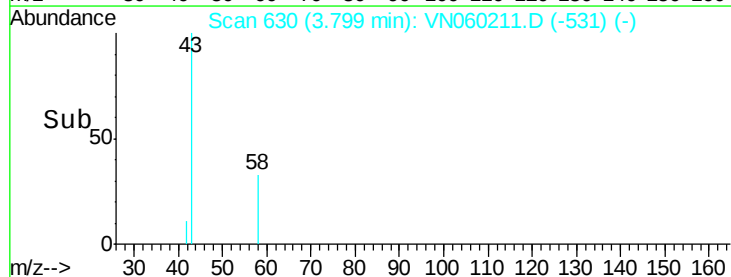
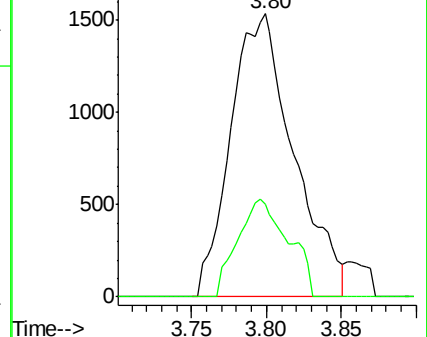
43 100

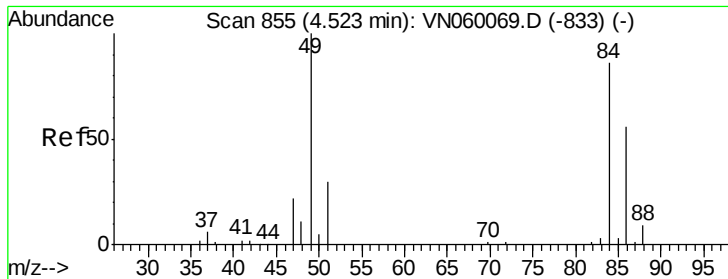
58 32.6 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)

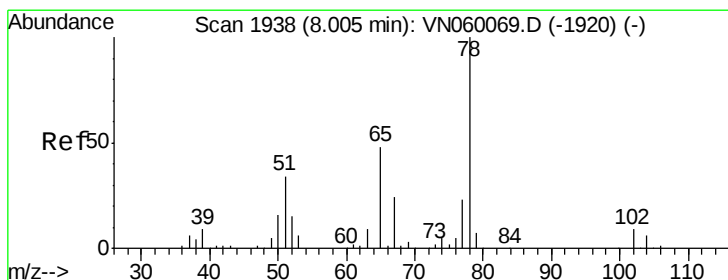
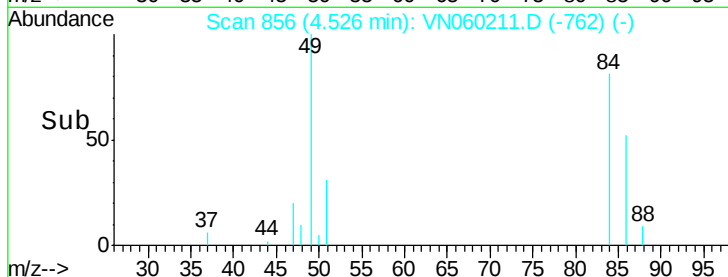
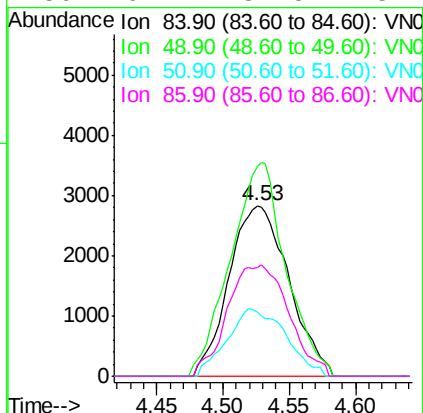
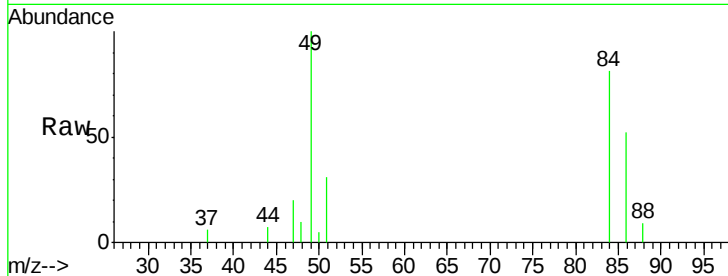




#20
Methylene Chloride
Concen: 4.346 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060211.D
Acq: 24 Feb 2020 15:40

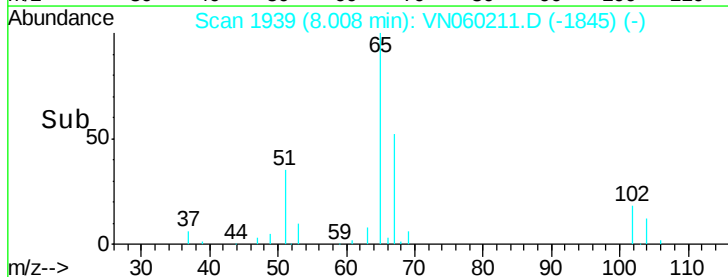
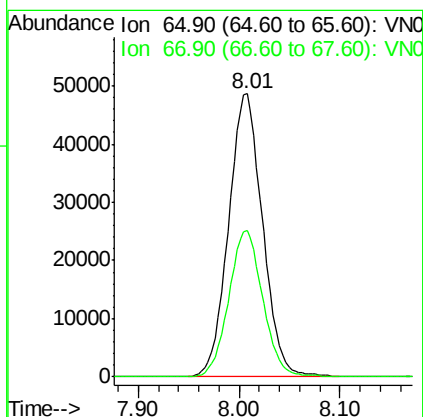
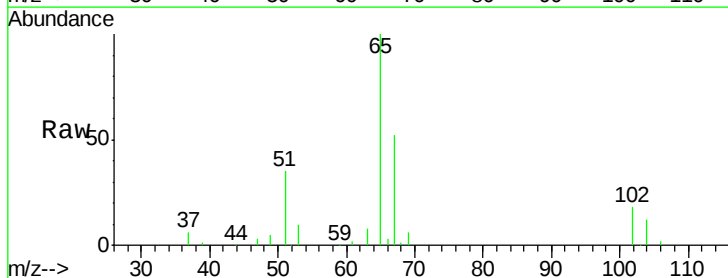
Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#04

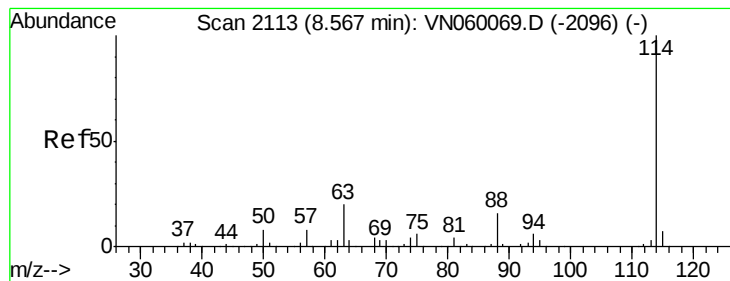
Tot Ion: 84 Resp: 8879
Ion Ratio Lower Upper
84 100
49 122.9 93.4 140.0
51 37.5 28.4 42.6
86 64.1 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 48.572 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN060211.D
Acq: 24 Feb 2020 15:40

Tgt Ion: 65 Resp: 114024
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060211.D

Acq: 24 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#04

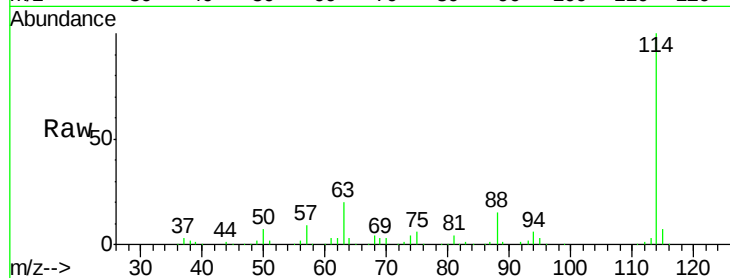
Tot Ion:114 Resp: 302154

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

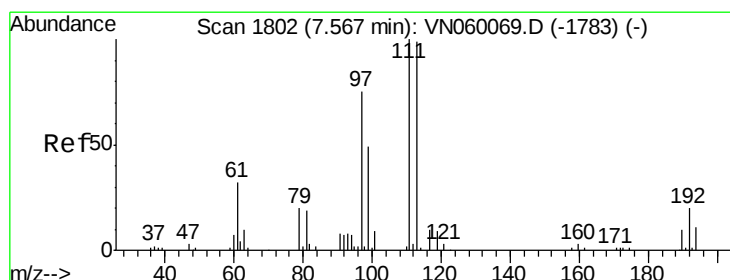
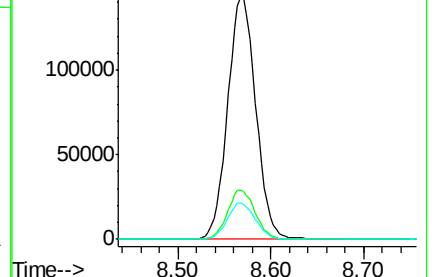
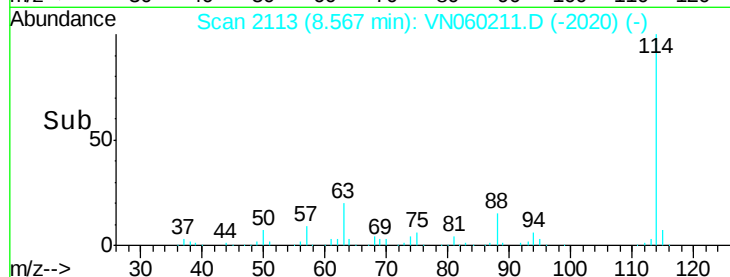
88 15.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.043 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060211.D

Acq: 24 Feb 2020 15:40

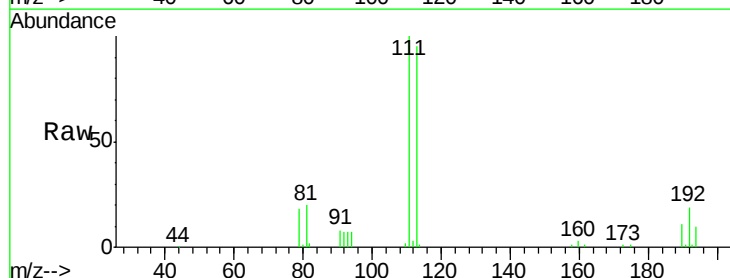
Tgt Ion:113 Resp: 91089

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

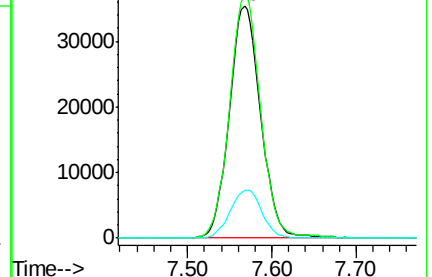
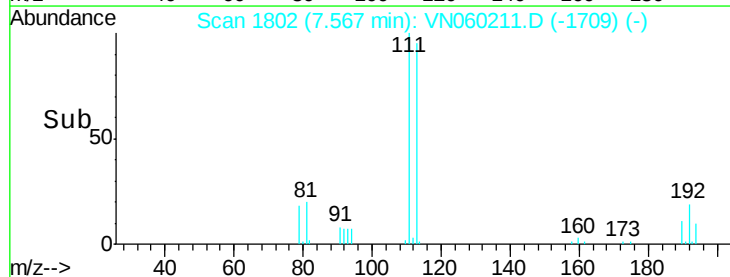
192 21.0 16.2 24.2

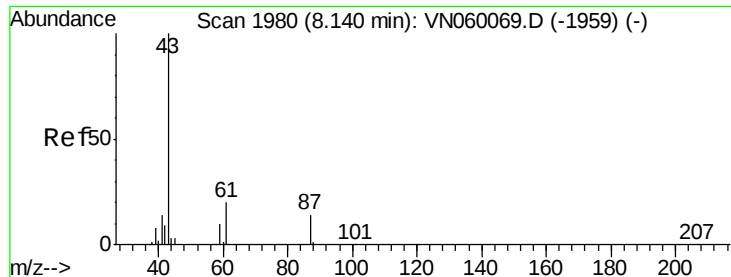


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 10.095 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060211.D

Acq: 24 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#04

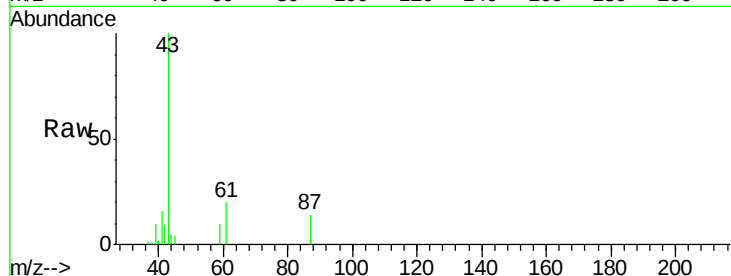
Tot Ion: 43 Resp: 43647

Ion Ratio Lower Upper

43 100

61 19.8 21.8 32.6#

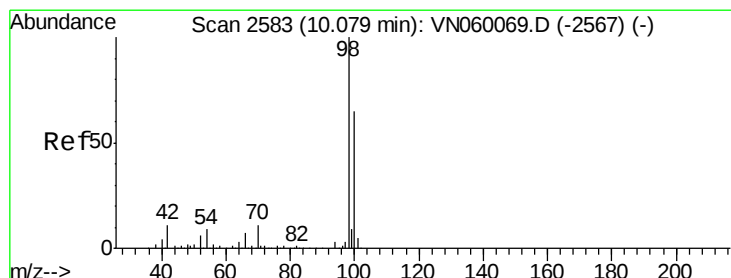
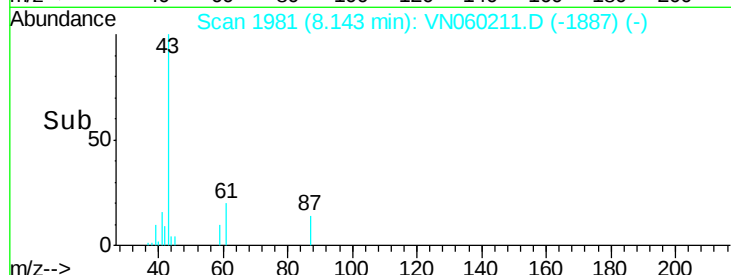
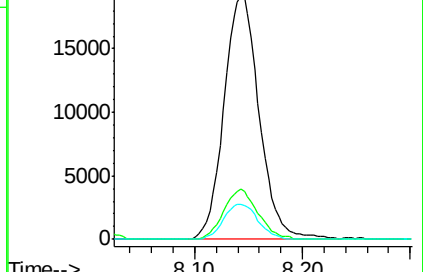
87 14.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#50

Toluene-d8

Concen: 50.282 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060211.D

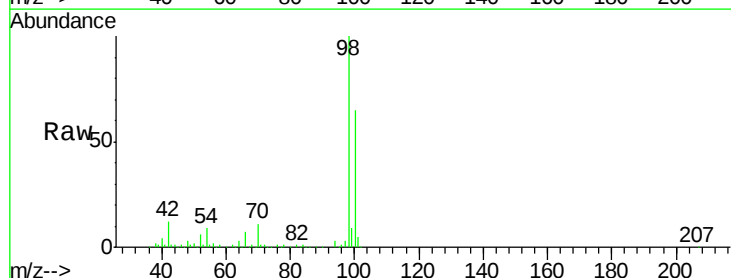
Acq: 24 Feb 2020 15:40

Tgt Ion: 98 Resp: 367771

Ion Ratio Lower Upper

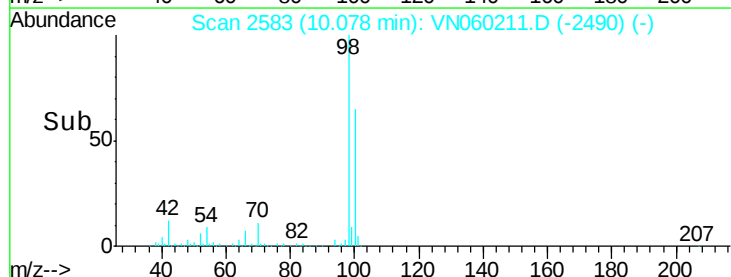
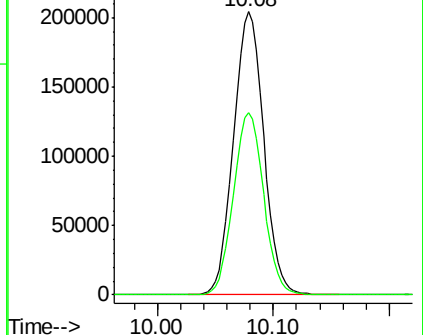
98 100

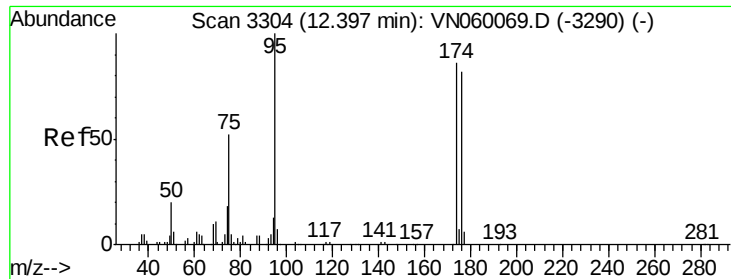
100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060069.D (-2567) (-)





#62

4-Bromofluorobenzene

Concen: 49.622 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060211.D

Acq: 24 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#04

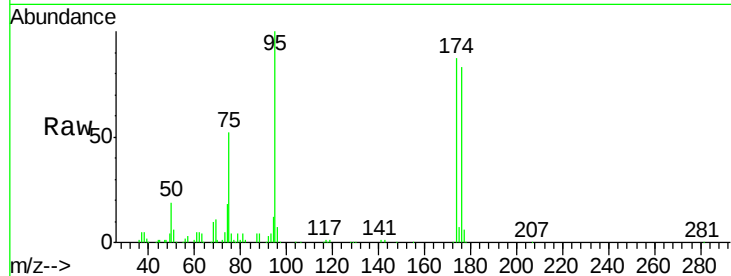
Tot Ion: 95 Resp: 133364

Ion Ratio Lower Upper

95 100

174 86.8 0.0 169.8

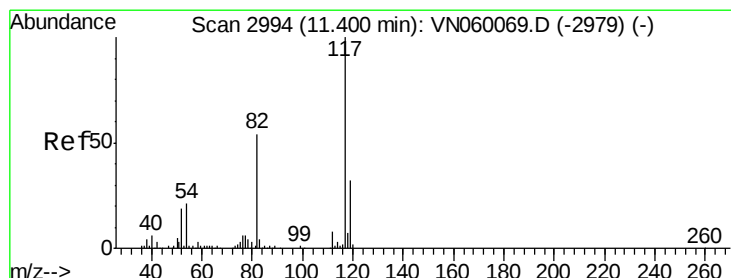
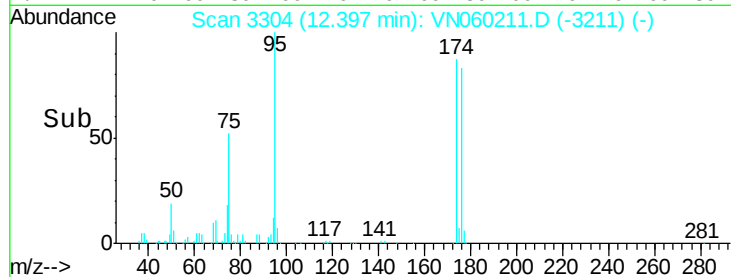
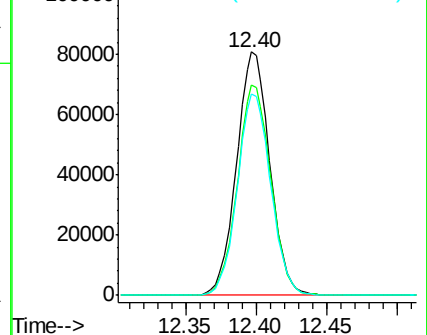
176 83.0 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060211.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060211.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060211.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060211.D

Acq: 24 Feb 2020 15:40

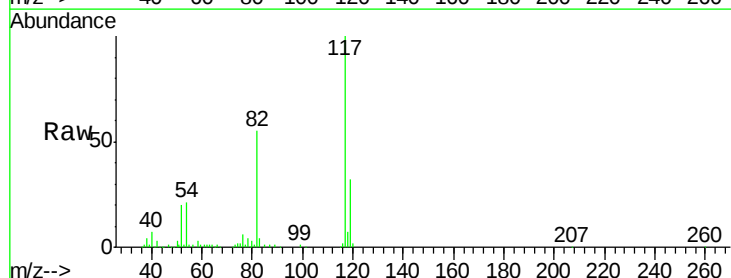
Tgt Ion: 117 Resp: 290292

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

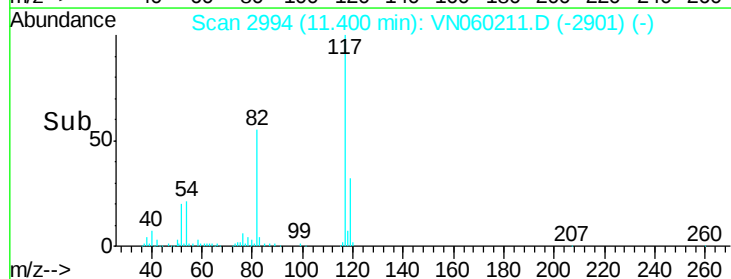
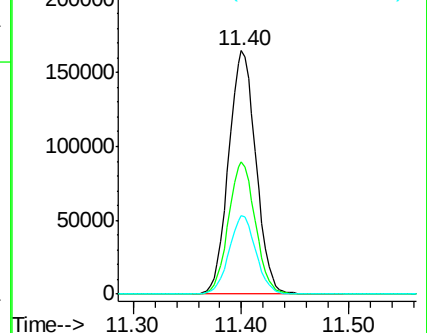
119 32.4 25.8 38.6

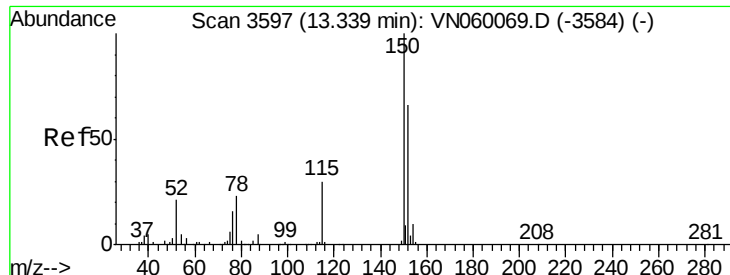


Abundance Ion 116.90 (116.60 to 117.60): VN060211.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060211.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060211.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060211.D

Acq: 24 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#04

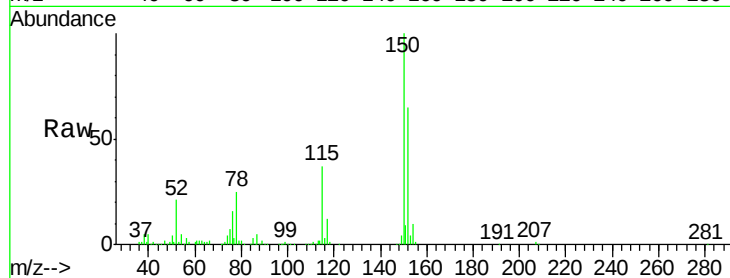
Tot Ion:152 Resp: 129384

Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.8

150 156.7 0.0 342.4



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

