

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059916.D
 Acq On : 29 Jan 2020 16:44
 Operator : JC/MD
 Sample : PB126412ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126412ZHE#03

Quant Time: Jan 30 01:15:47 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

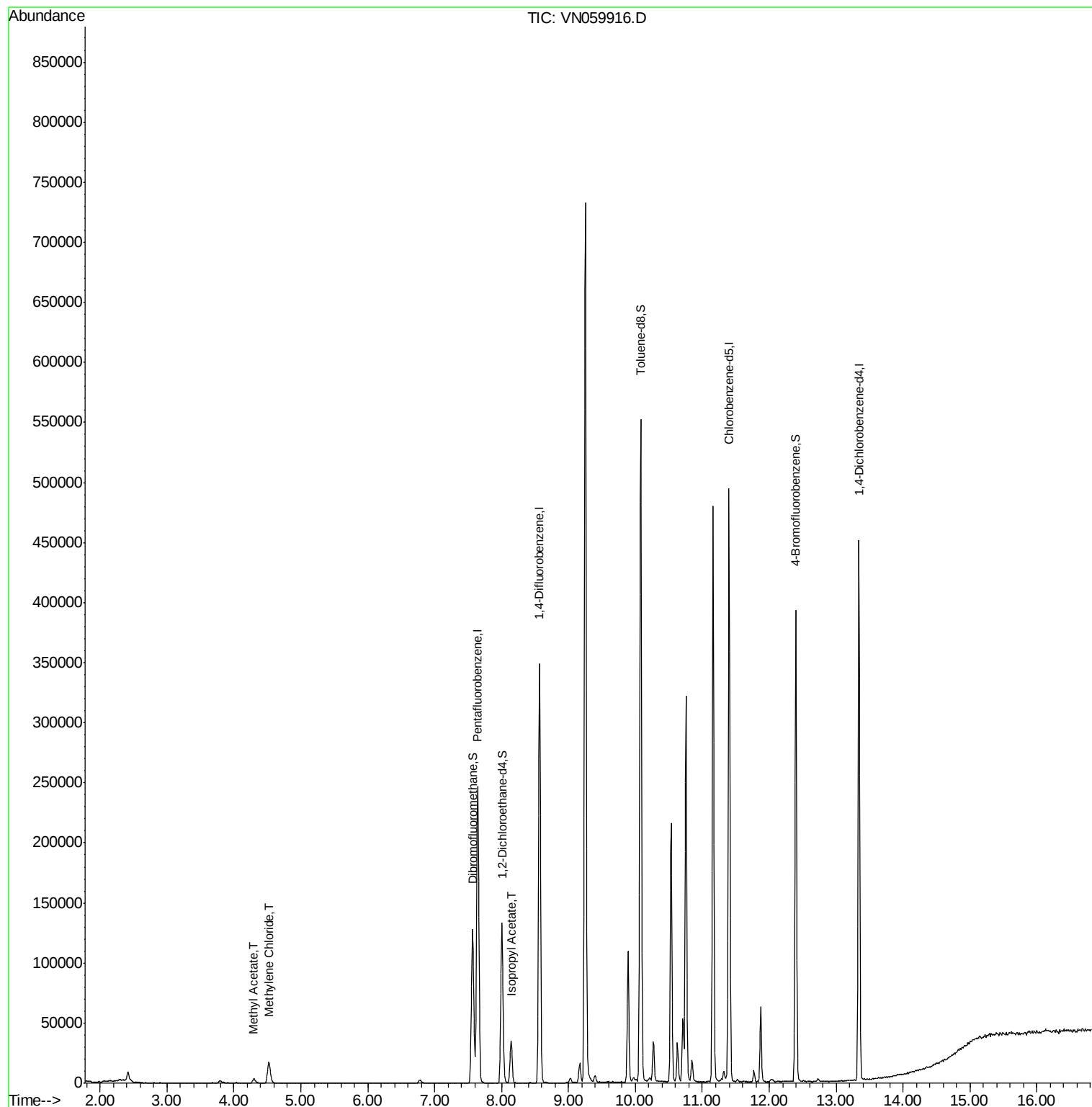
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	214339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	325518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124697	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	115096	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
35) Dibromofluoromethane	7.57	113	99224	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
50) Toluene-d8	10.08	98	388096	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	132341	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
Target Compounds						
18) Methyl Acetate	4.30	43	7007	2.520	ug/l	96
20) Methylene Chloride	4.52	84	14688	5.673	ug/l #	84
43) Isopropyl Acetate	8.14	43	42033	9.191	ug/l #	90

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

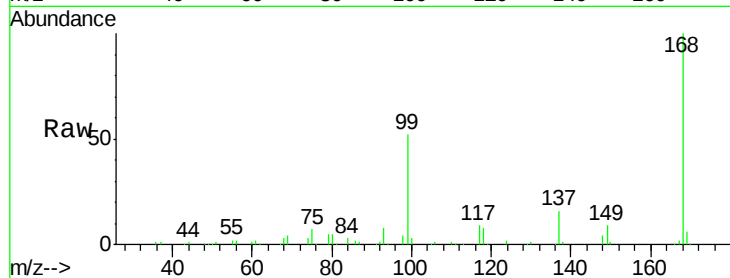
PB126412ZHE#03

Tot Ion:168 Resp: 214339

Ion Ratio Lower Upper

168 100

99 51.6 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

80000

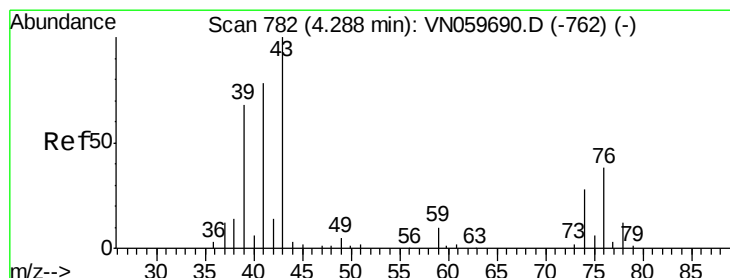
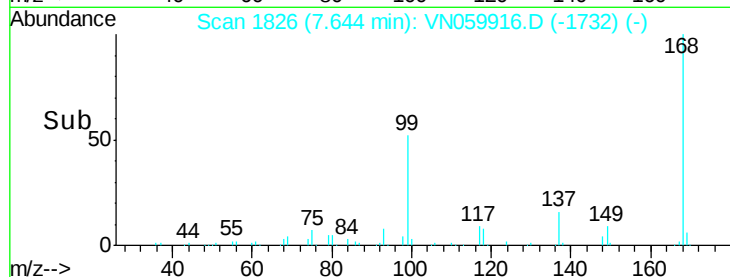
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#18

Methyl Acetate

Concen: 2.520 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059916.D

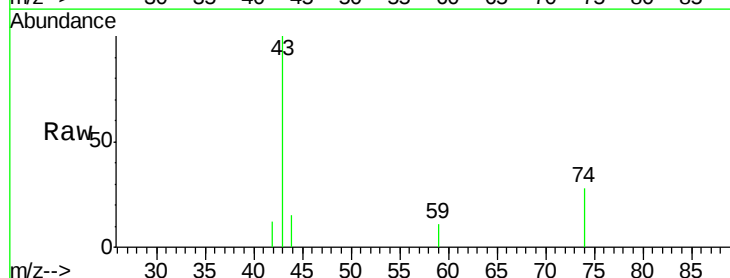
Acq: 29 Jan 2020 16:44

Tgt Ion: 43 Resp: 7007

Ion Ratio Lower Upper

43 100

74 24.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

2500

2000

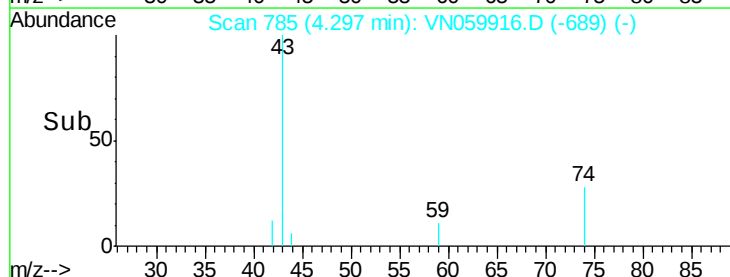
1500

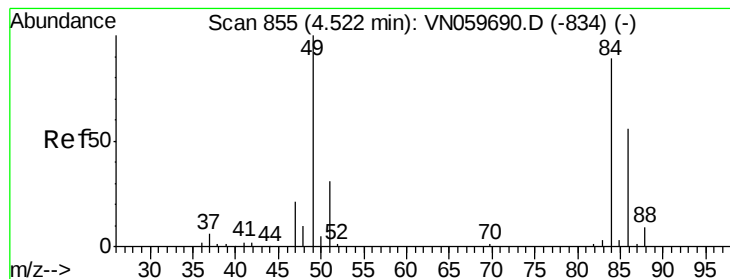
1000

500

0

Time--> 4.20 4.25 4.30 4.35 4.40





#20

Methylene Chloride

Concen: 5.673 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

PB126412ZHE#03

Tot Ion: 84 Resp: 14688

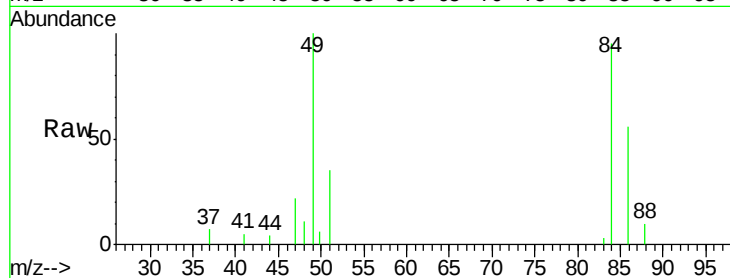
Ion Ratio Lower Upper

84 100

49 105.1 106.6 160.0#

51 37.2 31.9 47.9

86 58.8 50.8 76.2

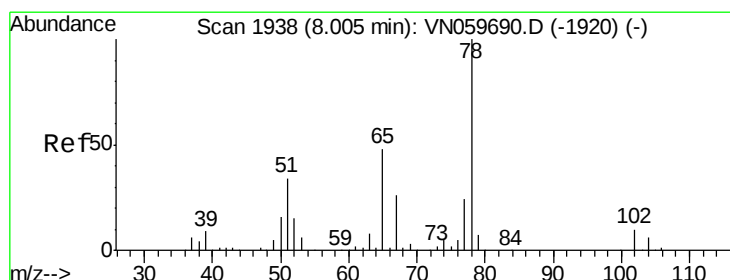
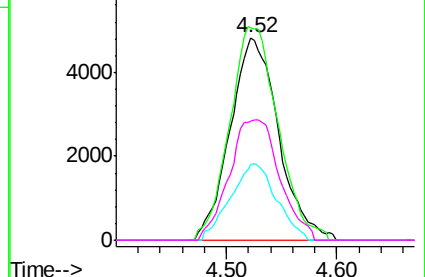
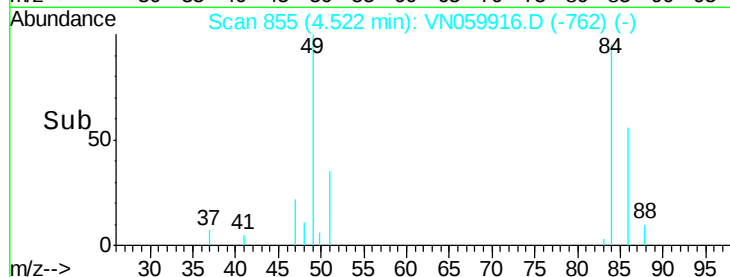


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.354 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059916.D

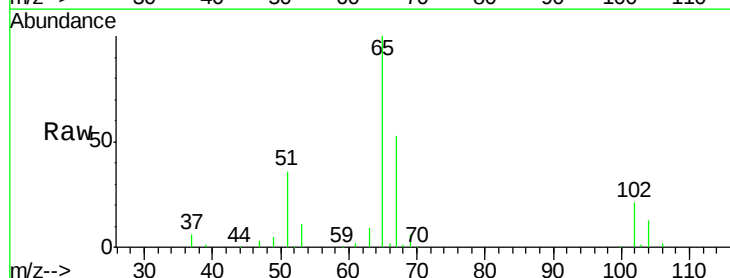
Acq: 29 Jan 2020 16:44

Tgt Ion: 65 Resp: 115096

Ion Ratio Lower Upper

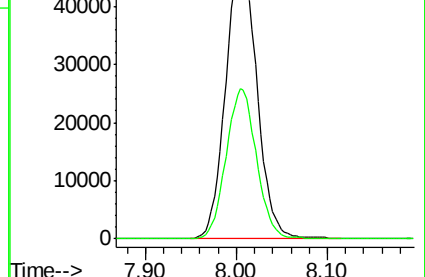
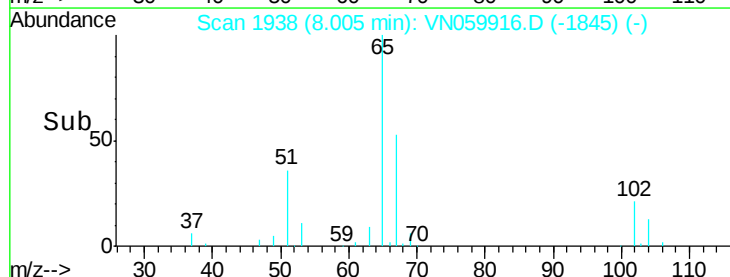
65 100

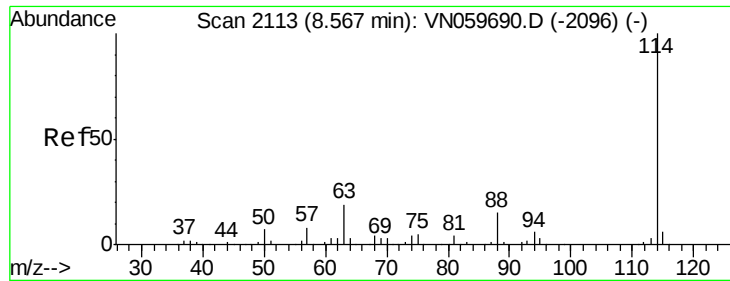
67 52.1 0.0 103.0



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: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

PB126412ZHE#03

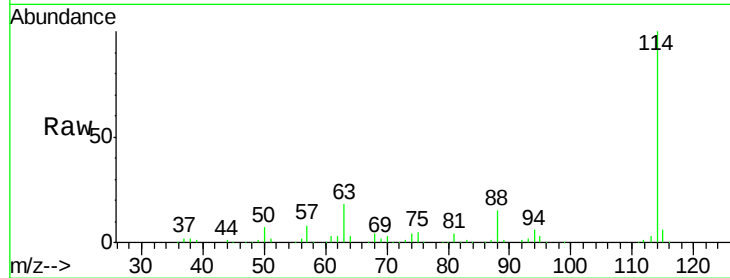
Tot Ion:114 Resp: 325518

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.6

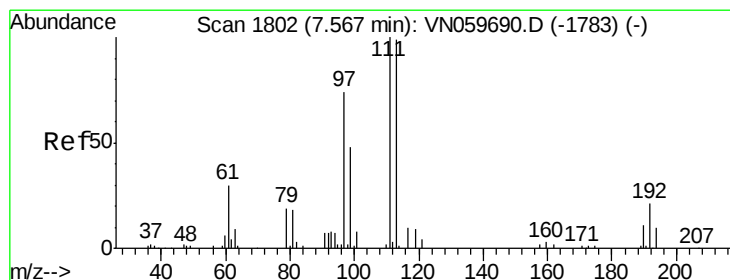
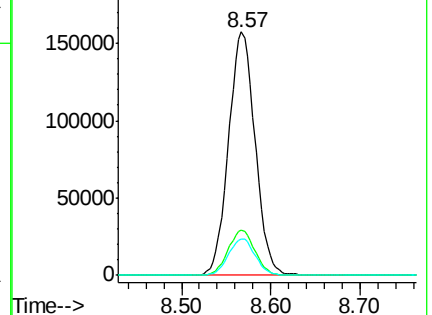
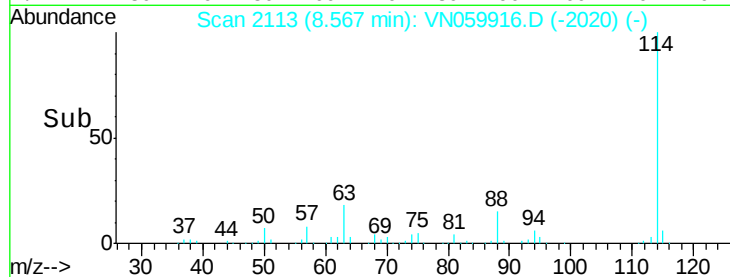
88 15.0 0.0 31.4



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: 51.115 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

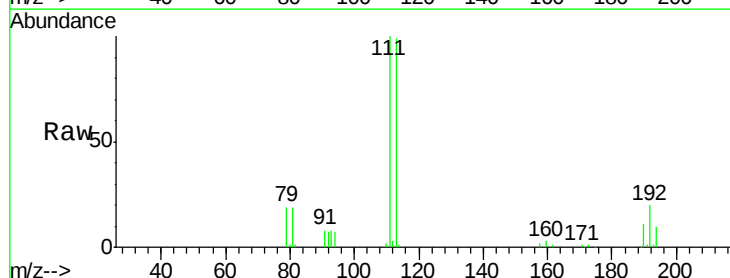
Tgt Ion:113 Resp: 99224

Ion Ratio Lower Upper

113 100

111 101.7 83.5 125.3

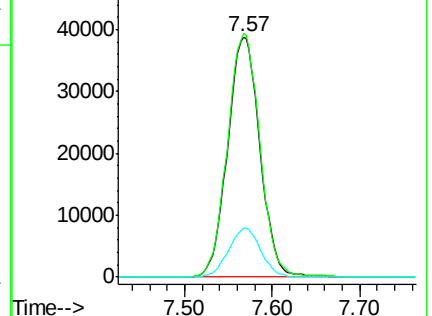
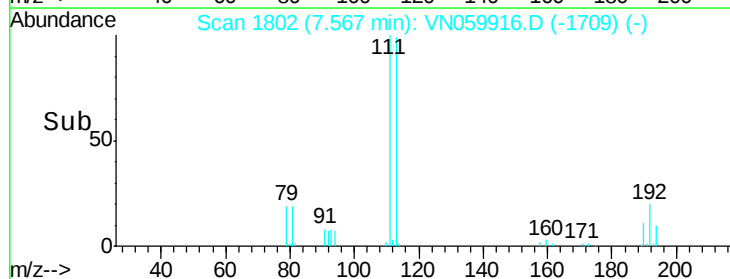
192 20.3 15.4 23.2

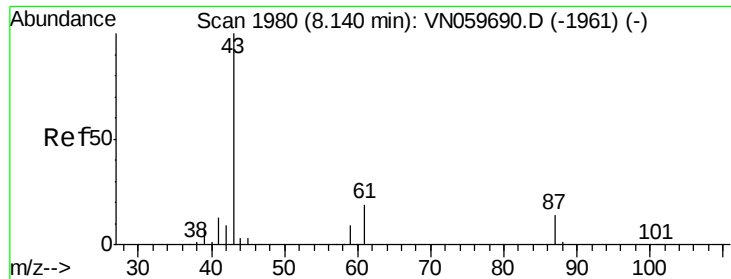


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 9.191 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

PB126412ZHE#03

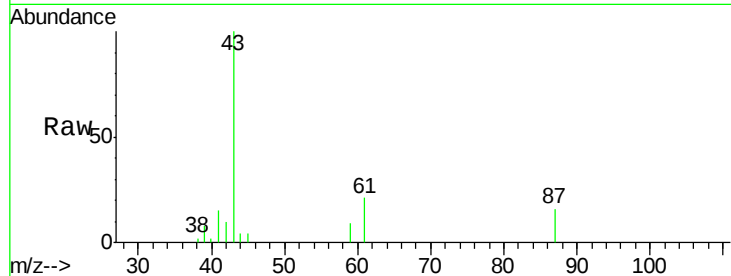
Tot Ion: 43 Resp: 42033

Ion Ratio Lower Upper

43 100

61 20.4 20.2 30.2

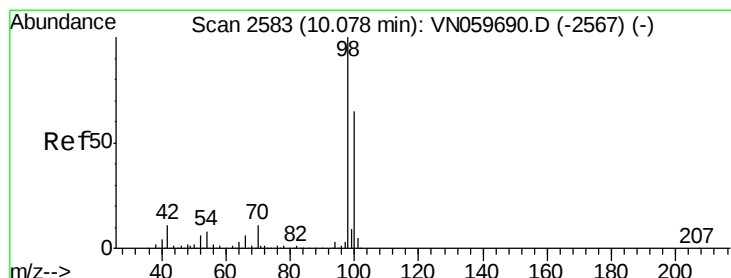
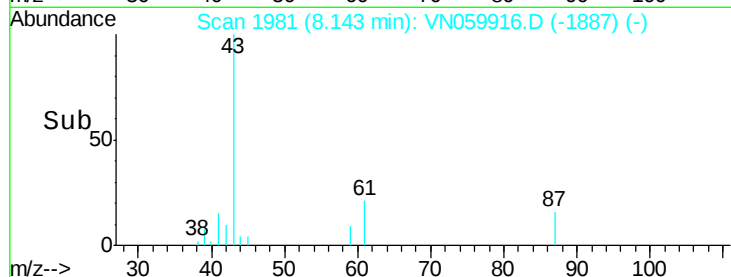
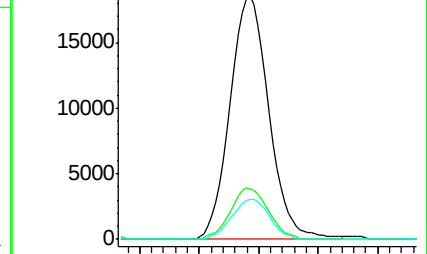
87 16.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059916.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN059916.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN059916.D (-1887) (-)



#50

Toluene-d8

Concen: 51.600 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059916.D

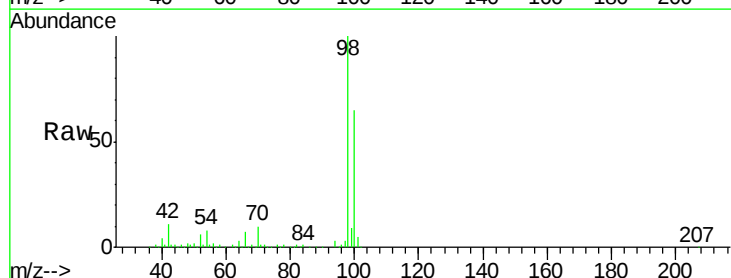
Acq: 29 Jan 2020 16:44

Tgt Ion: 98 Resp: 388096

Ion Ratio Lower Upper

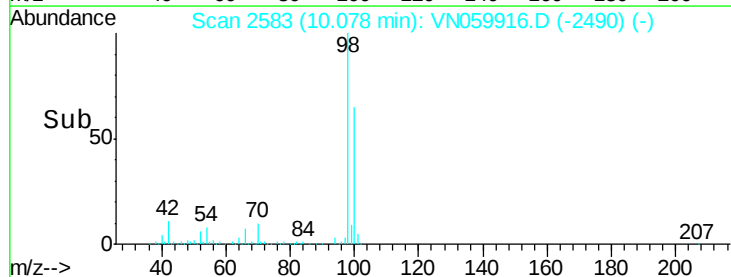
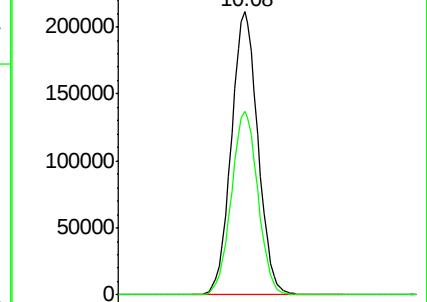
98 100

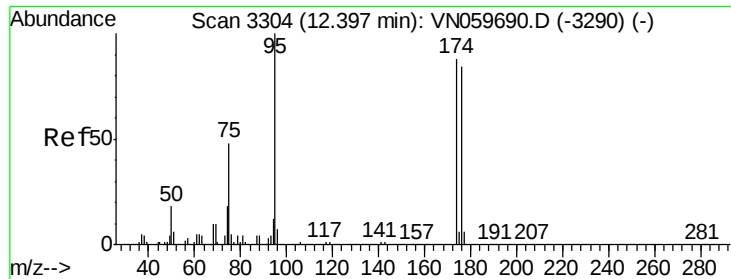
100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059916.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059916.D (-2490) (-)

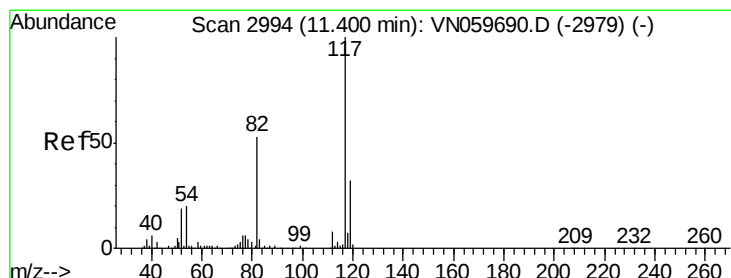
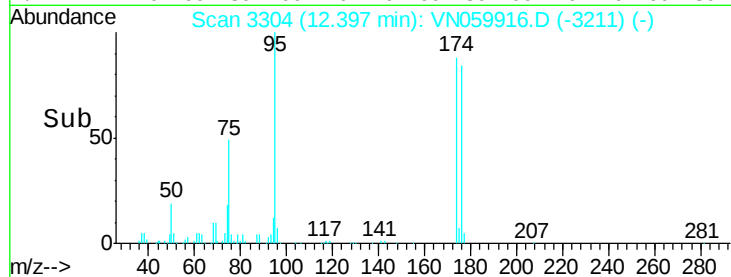
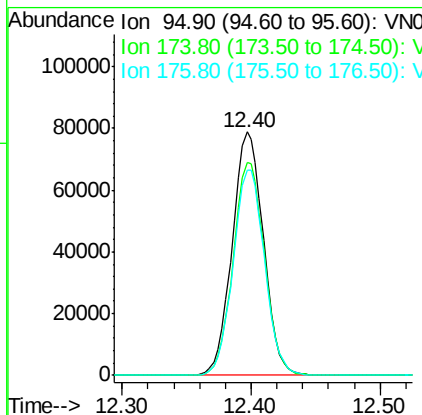
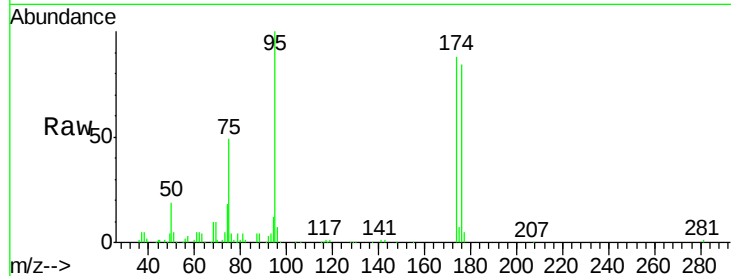




#62
4-Bromofluorobenzene
Concen: 48.809 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

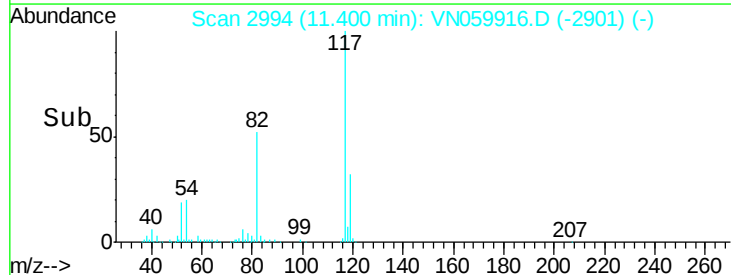
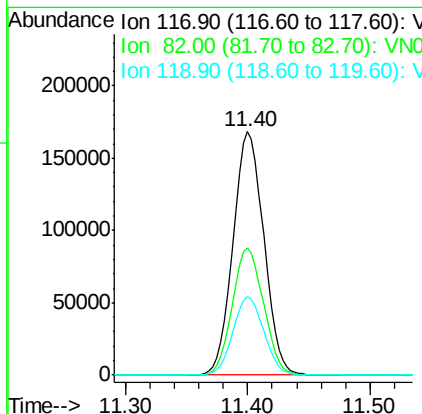
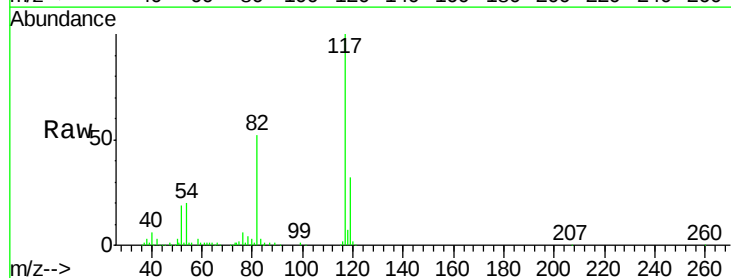
Instrument :
MSVOA_N
ClientSampleId :
PB126412ZHE#03

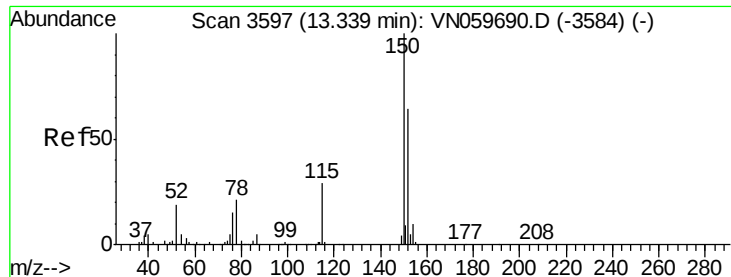
Tot Ion: 95 Resp: 132341
Ion Ratio Lower Upper
95 100
174 88.1 0.0 151.4
176 85.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059916.D
Acq: 29 Jan 2020 16:44

Tgt Ion: 117 Resp: 294642
Ion Ratio Lower Upper
117 100
82 52.3 45.9 68.9
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059916.D

Acq: 29 Jan 2020 16:44

Instrument :

MSVOA_N

ClientSampleId :

PB126412ZHE#03

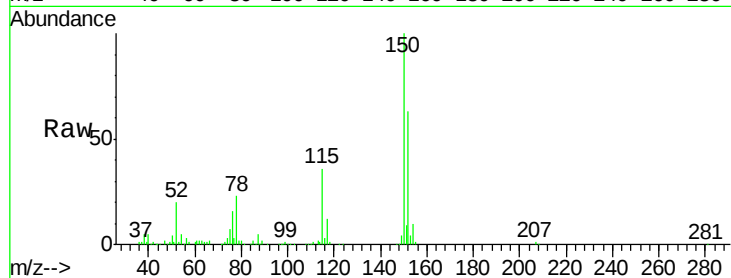
Tot Ion:152 Resp: 124697

Ion Ratio Lower Upper

152 100

115 57.1 30.3 90.9

150 157.1 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

