

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057004.D
 Acq On : 31 Jul 2019 11:11
 Operator : JC/SP
 Sample : PB121844ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121844ZHE#01

Quant Time: Aug 01 01:41:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

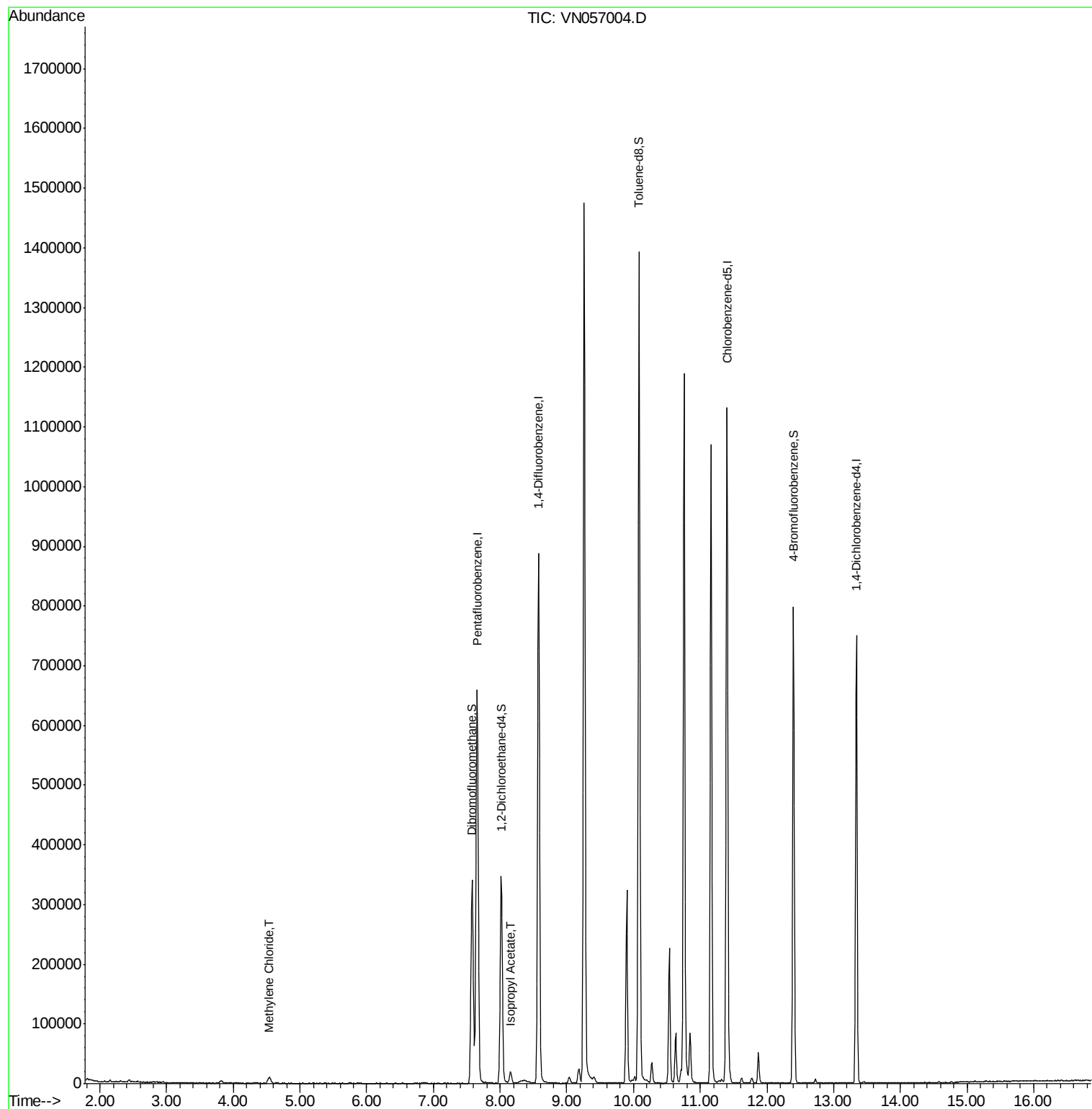
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	589067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	855215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	726064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220397	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	292173	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.58	113	261522	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.08	98	1017554	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.40	95	282094	41.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.00%	
Target Compounds						
20) Methylene Chloride	4.54	84	8412	1.337	ug/l	94
43) Isopropyl Acetate	8.16	43	22037	2.212	ug/l #	90

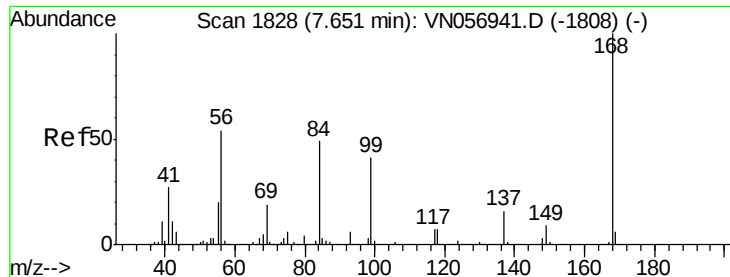
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057004.D

Acq: 31 Jul 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

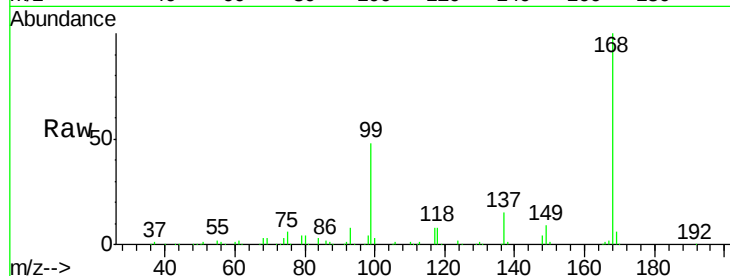
PB121844ZHE#01

Tot Ion:168 Resp: 589067

Ion Ratio Lower Upper

168 100

99 48.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

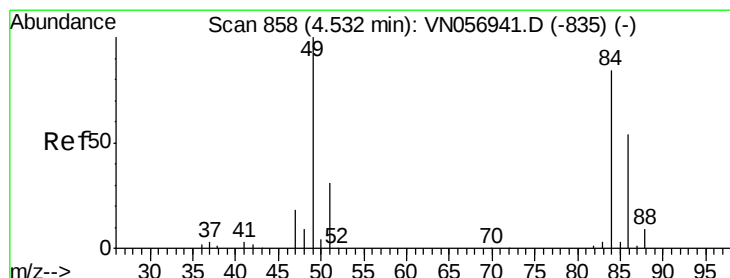
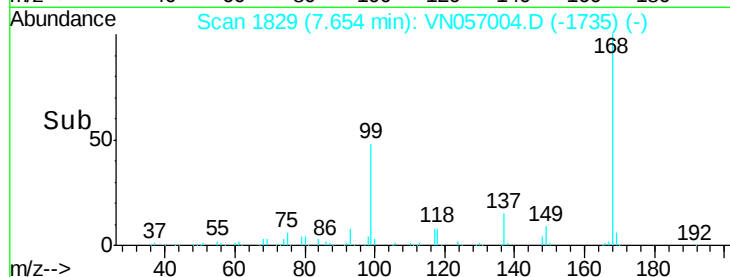
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 1.337 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN057004.D

Acq: 31 Jul 2019 11:11

Tgt Ion: 84 Resp: 8412

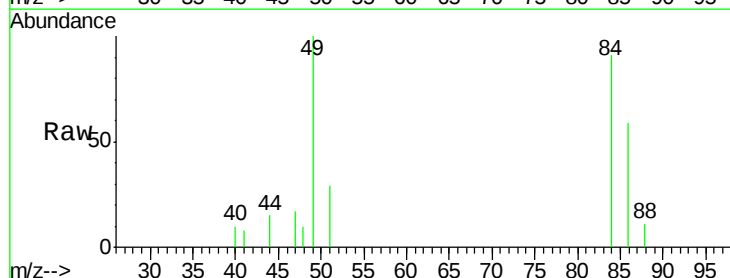
Ion Ratio Lower Upper

84 100

49 109.7 95.2 142.8

51 31.3 29.7 44.5

86 64.5 51.0 76.6



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

5000

4000

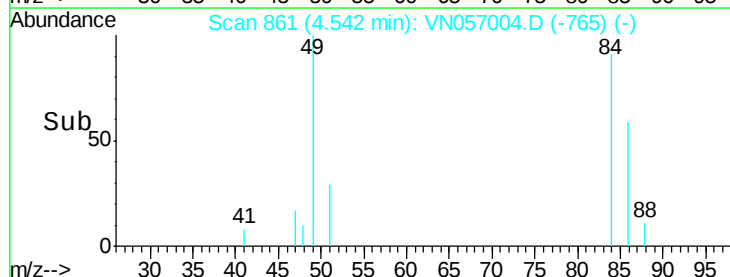
3000

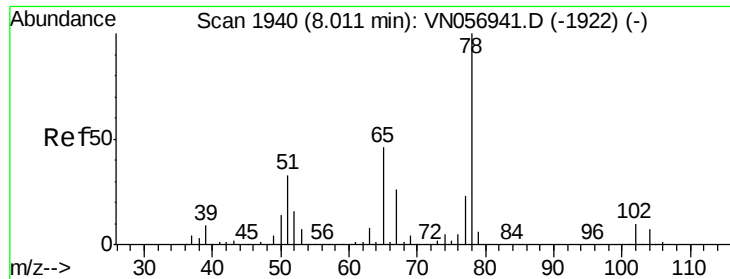
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.454 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057004.D

Acq: 31 Jul 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

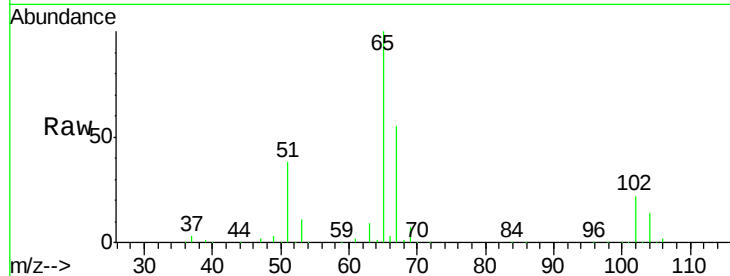
PB121844ZHE#01

Tot Ion: 65 Resp: 292173

Ion Ratio Lower Upper

65 100

67 55.3 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN057004.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN057004.D (-1847) (-)

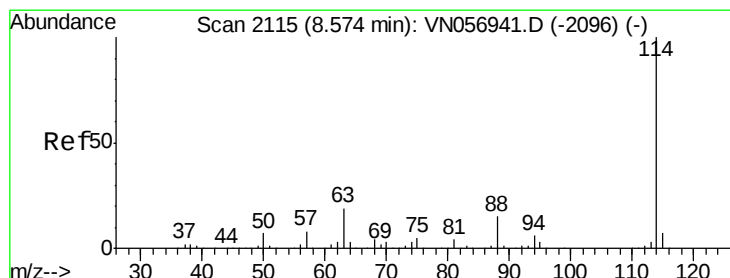
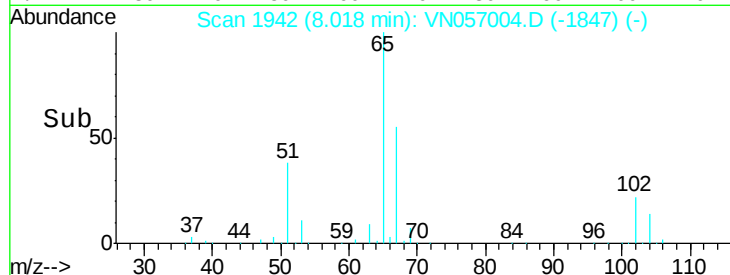
8.02

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057004.D

Acq: 31 Jul 2019 11:11

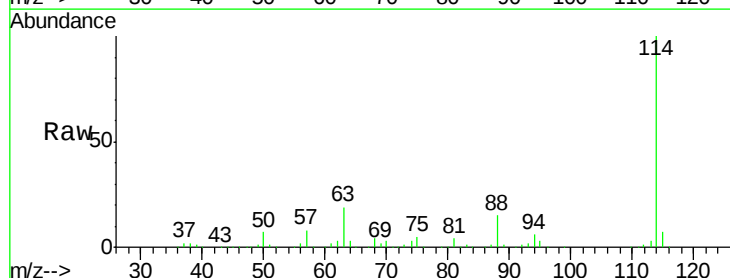
Tgt Ion: 114 Resp: 855215

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.0

88 15.3 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN057004.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN057004.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN057004.D (-2022) (-)

8.58

500000

400000

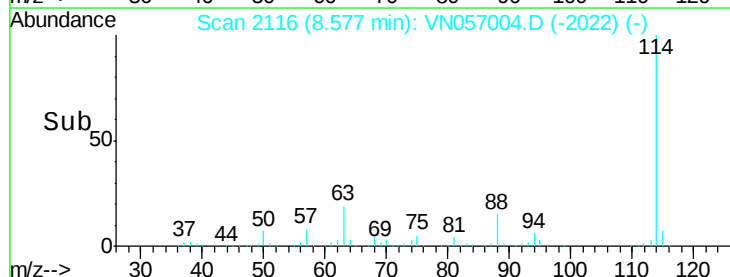
300000

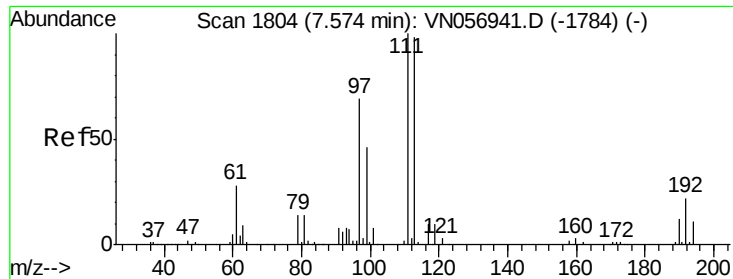
200000

100000

0

Time-->

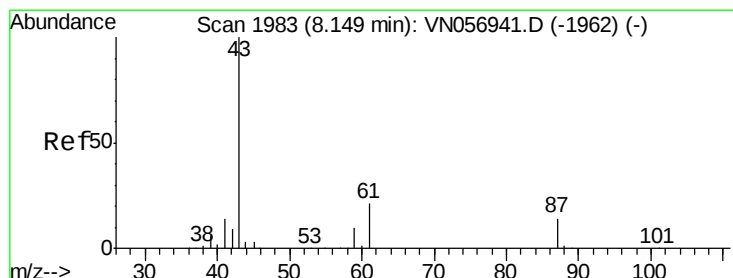
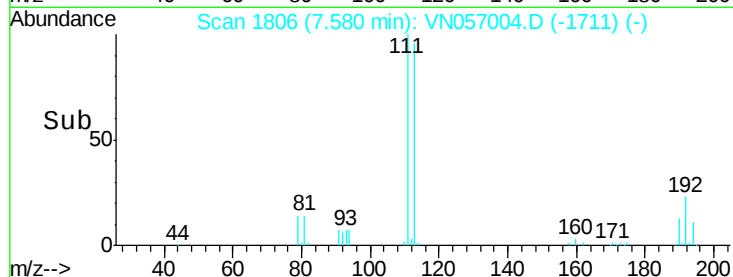
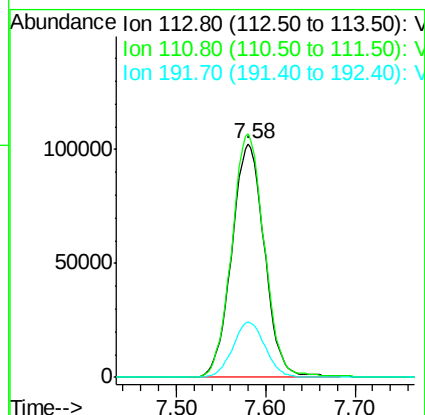
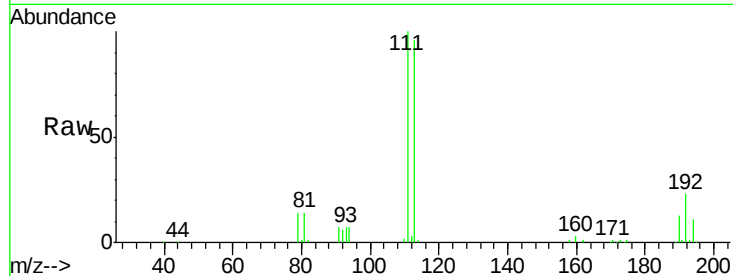




#35
 Dibromofluoromethane
 Concen: 47.768 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057004.D
 Acq: 31 Jul 2019 11:11

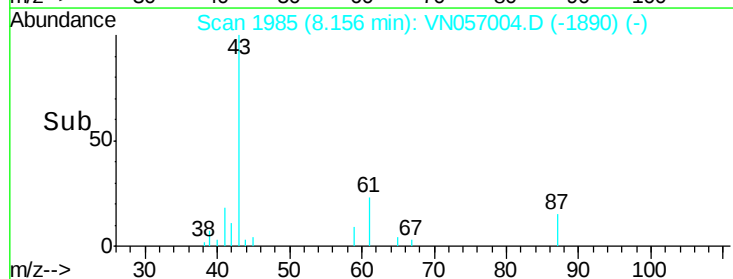
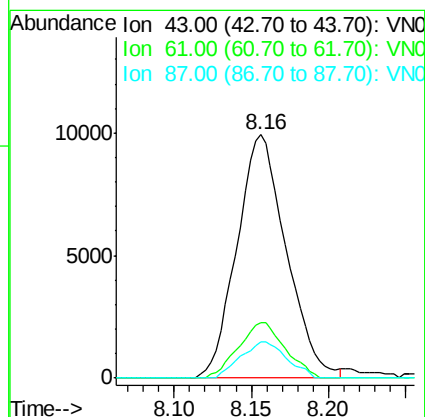
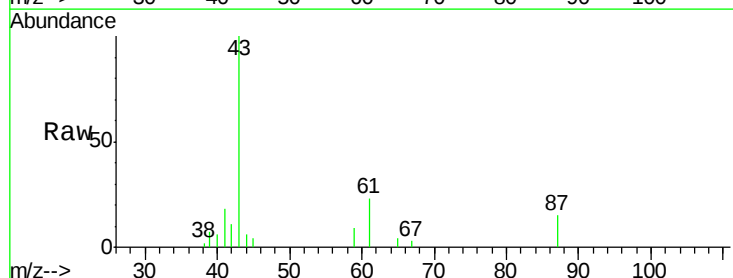
Instrument :
 MSVOA_N
 ClientSampleId :
 PB121844ZHE#01

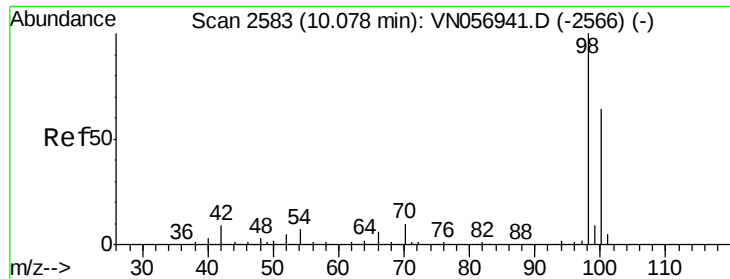
Tot Ion:113 Resp: 261522
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.0 123.0
 192 23.4 18.4 27.6



#43
 Isopropyl Acetate
 Concen: 2.212 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.01 min
 Lab File: VN057004.D
 Acq: 31 Jul 2019 11:11

Tgt Ion: 43 Resp: 22037
 Ion Ratio Lower Upper
 43 100
 61 21.6 23.0 34.6#
 87 13.8 11.7 17.5





#50

Toluene-d8

Concen: 48.738 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057004.D

Acq: 31 Jul 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

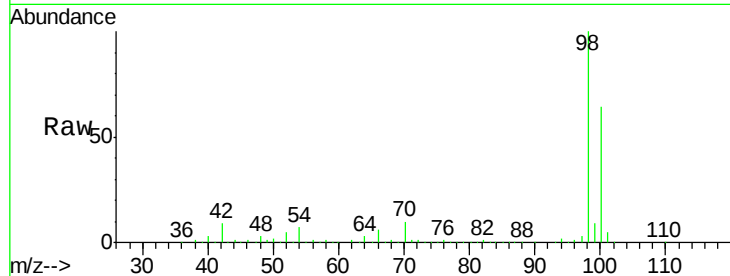
PB121844ZHE#01

Tot Ion: 98 Resp: 1017554

Ion Ratio Lower Upper

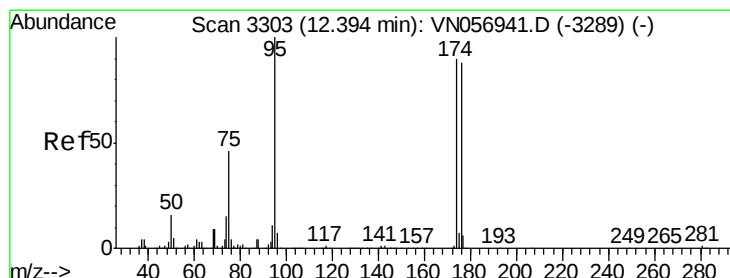
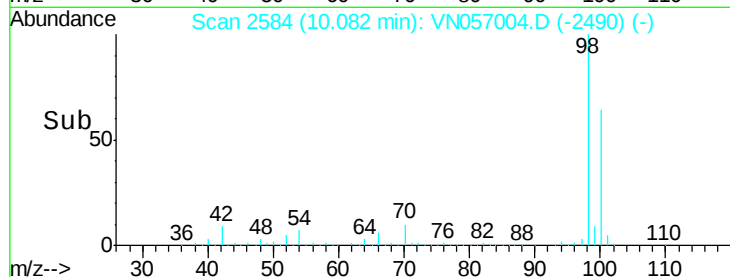
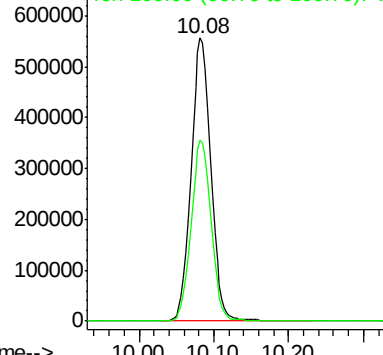
98 100

100 64.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 41.504 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057004.D

Acq: 31 Jul 2019 11:11

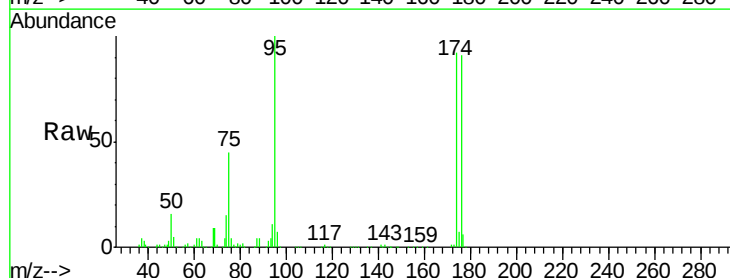
Tgt Ion: 95 Resp: 282094

Ion Ratio Lower Upper

95 100

174 93.9 0.0 182.2

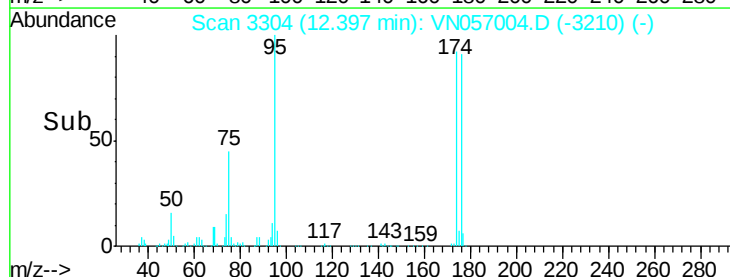
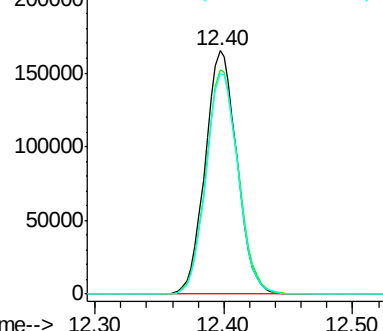
176 91.2 0.0 179.4

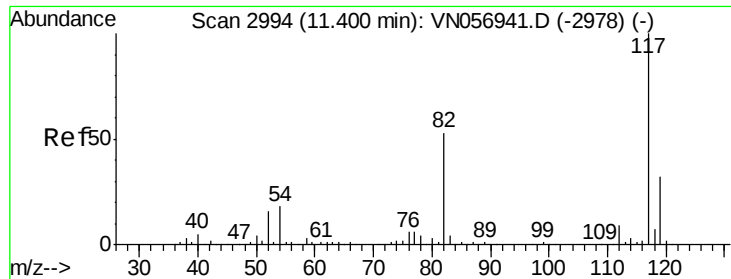


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN057004.D

Acq: 31 Jul 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

PB121844ZHE#01

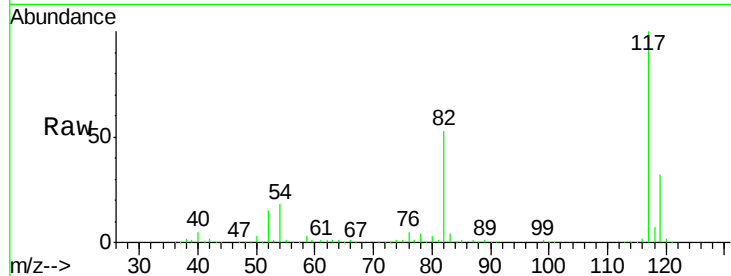
Tot Ion:117 Resp: 726064

Ion Ratio Lower Upper

117 100

82 52.7 42.2 63.4

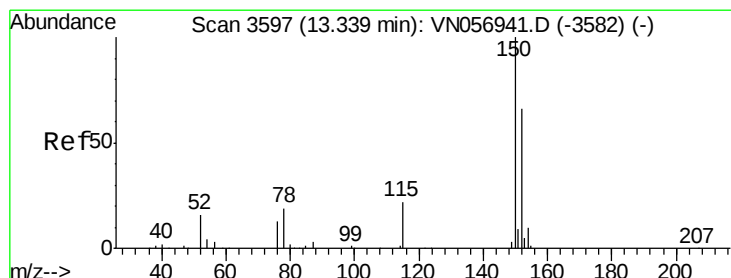
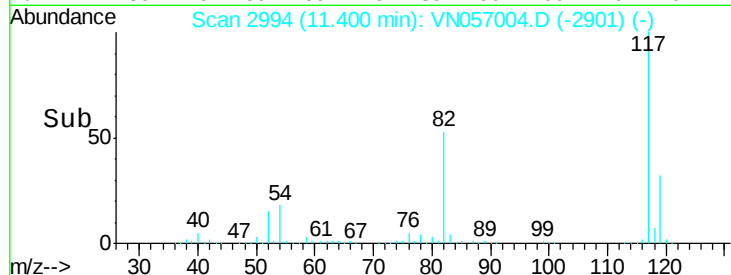
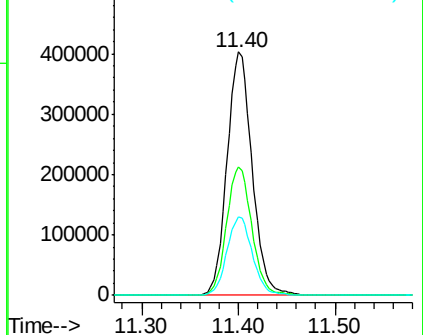
119 32.2 25.8 38.6



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# 3598

Delta R.T. 0.00 min

Lab File: VN057004.D

Acq: 31 Jul 2019 11:11

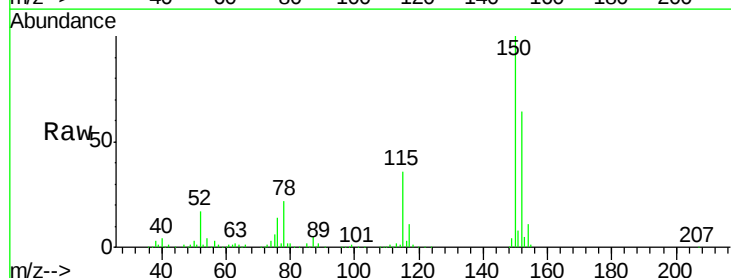
Tgt Ion:152 Resp: 220397

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

150 156.3 0.0 349.4



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

