

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061514.D
 Acq On : 20 May 2020 20:34
 Operator : JC/MD
 Sample : PB129002ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129002ZHE#03

Quant Time: May 21 02:53:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

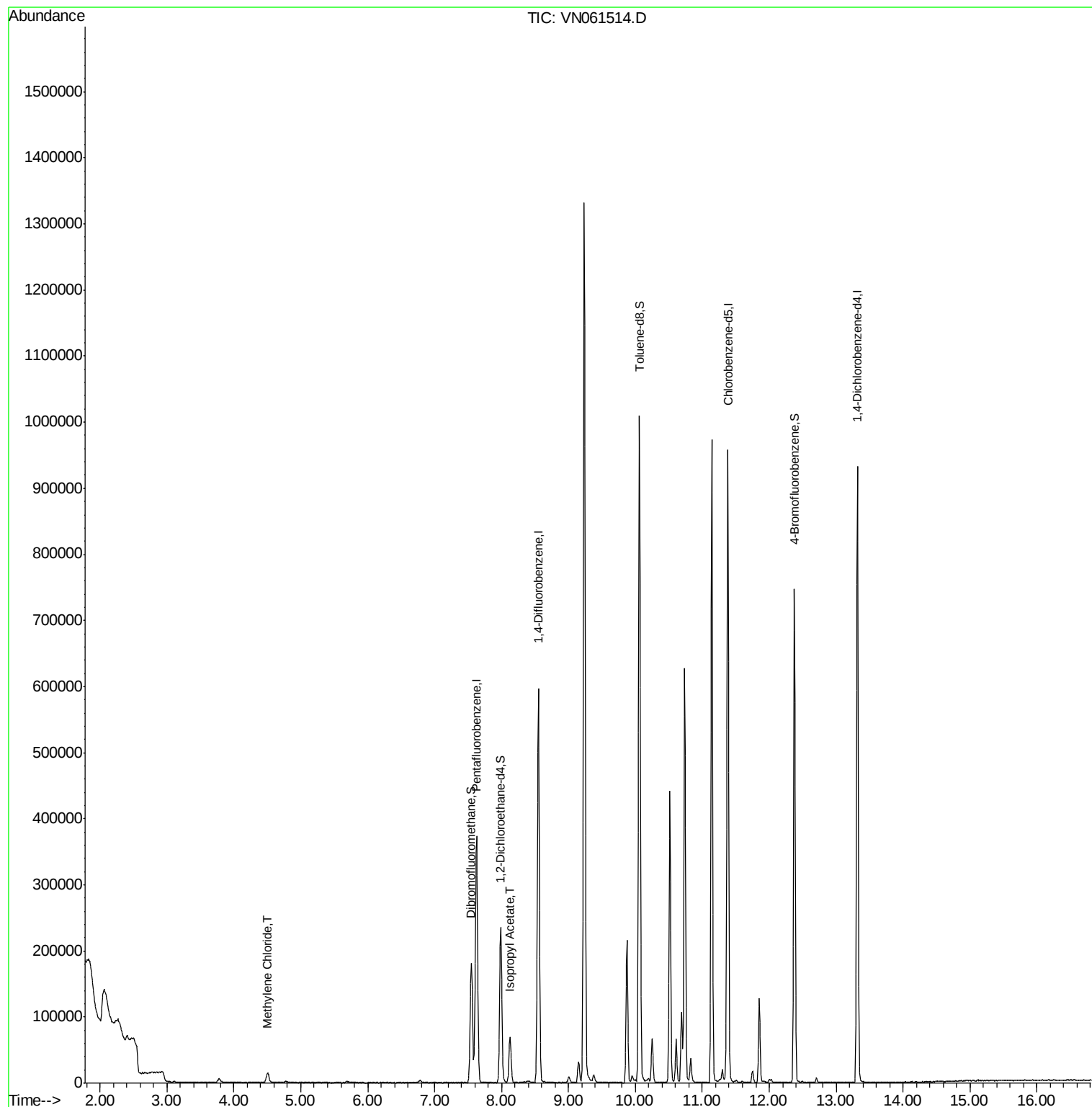
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	299427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	552576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	556069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	249281	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	203128	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	
35) Dibromofluoromethane	7.55	113	140063	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	
50) Toluene-d8	10.06	98	695636	51.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.38	95	271370	54.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.20%	
Target Compounds						
20) Methylene Chloride	4.50	84	11692	3.183	ug/l	93
43) Isopropyl Acetate	8.13	43	80714	9.876	ug/l #	91

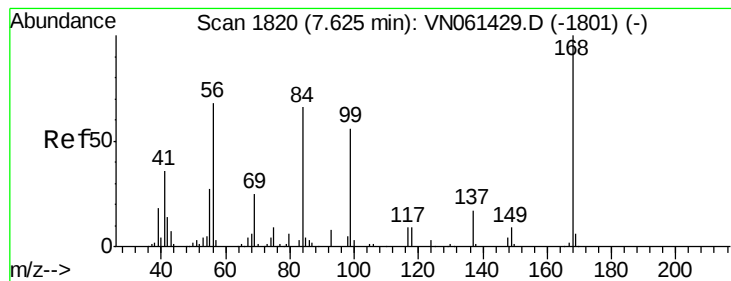
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061514.D

Acq: 20 May 2020 20:34

Instrument :

MSVOA_N

ClientSampleId :

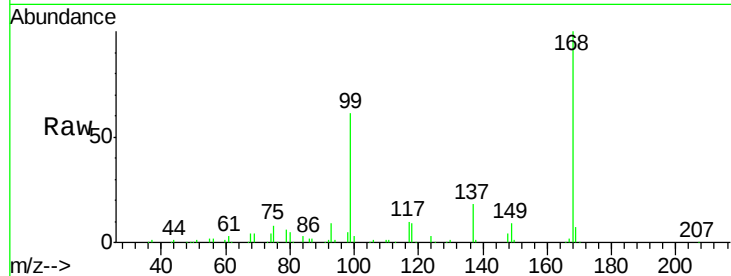
PB129002ZHE#03

Tot Ion:168 Resp: 299427

Ion Ratio Lower Upper

168 100

99 60.7 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

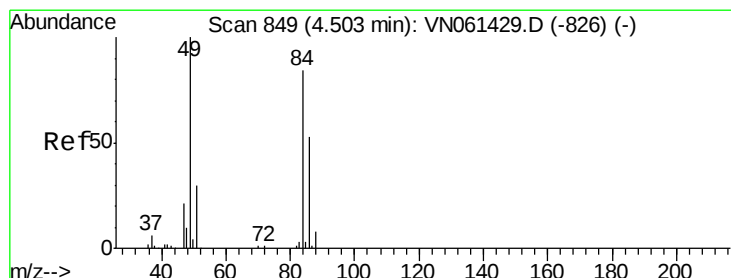
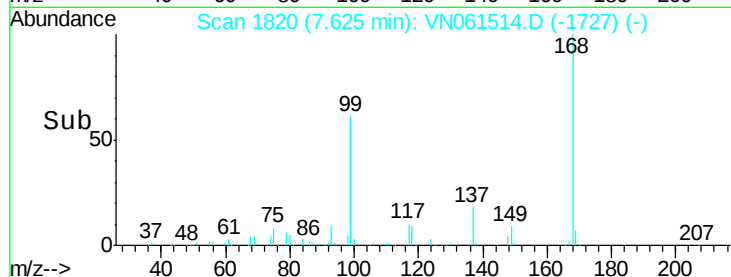
7.63

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#20

Methylene Chloride

Concen: 3.183 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN061514.D

Acq: 20 May 2020 20:34

Tgt Ion: 84 Resp: 11692

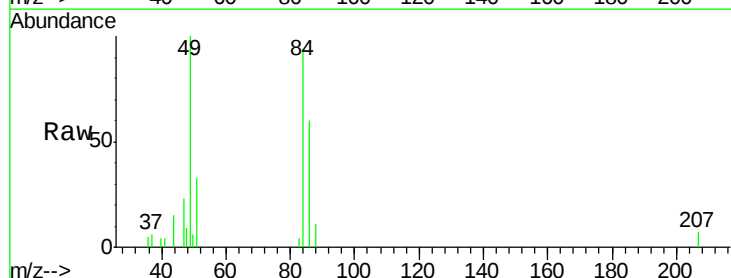
Ion Ratio Lower Upper

84 100

49 106.2 95.3 142.9

51 34.9 29.0 43.6

86 63.4 50.2 75.2



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

6000

5000

4000

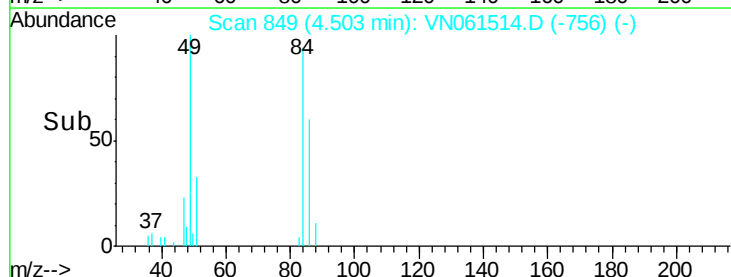
3000

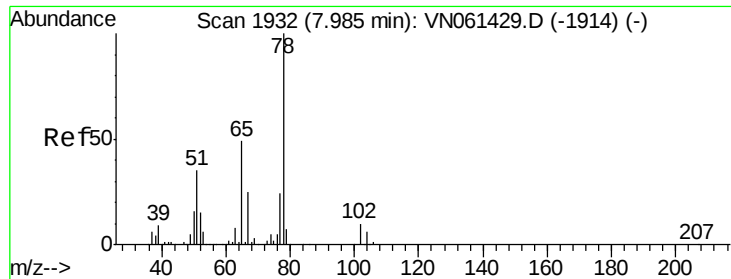
2000

1000

0

Time--> 4.40 4.45 4.50 4.55 4.60





#33

1,2-Dichloroethane-d4

Concen: 45.455 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN061514.D

Acq: 20 May 2020 20:34

Instrument :

MSVOA_N

ClientSampleId :

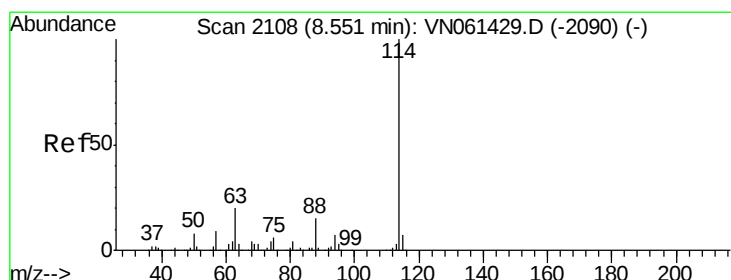
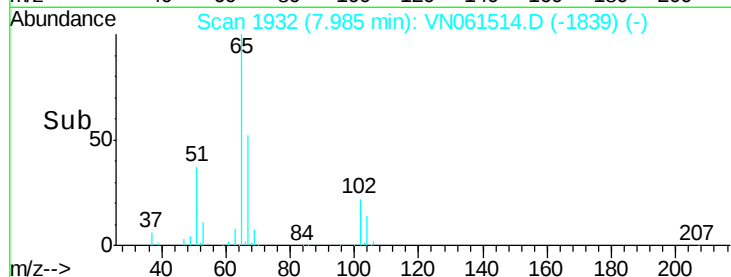
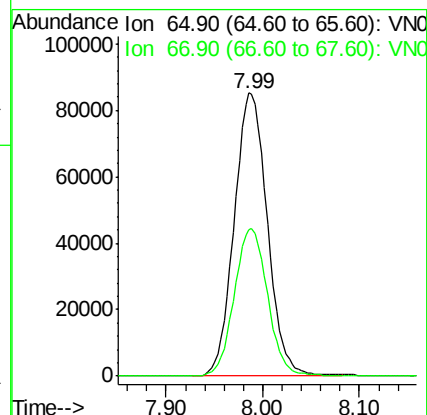
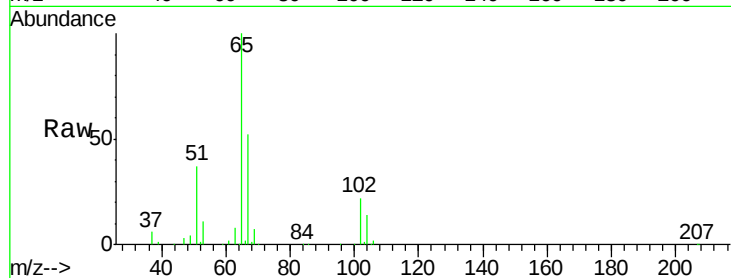
PB129002ZHE#03

Tot Ion: 65 Resp: 203128

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061514.D

Acq: 20 May 2020 20:34

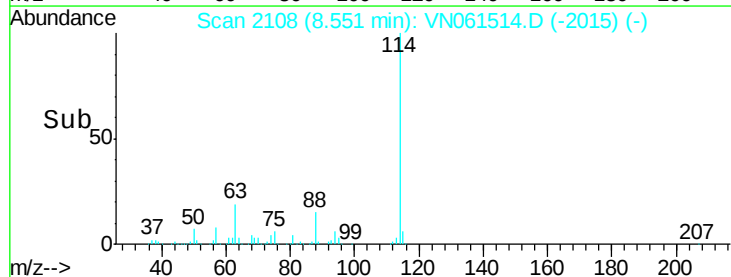
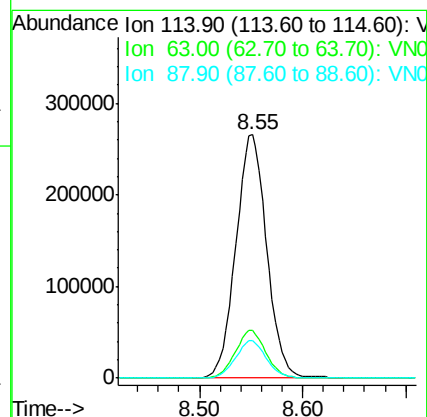
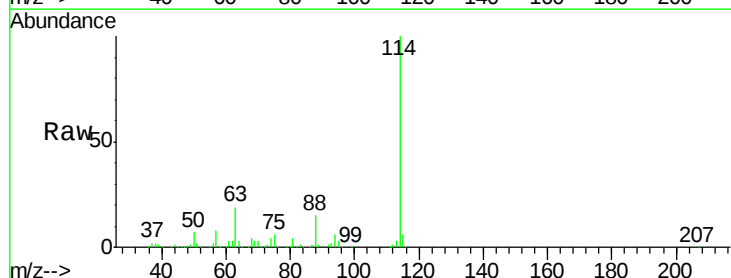
Tgt Ion: 114 Resp: 552576

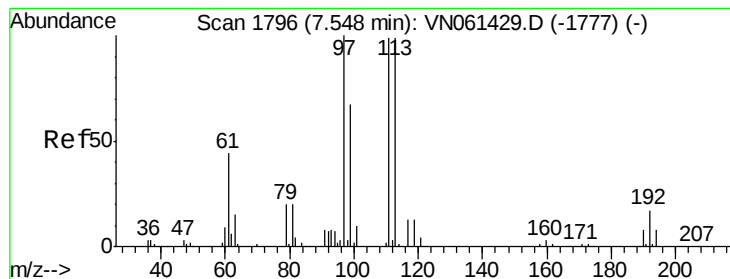
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.384 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061514.D

Acq: 20 May 2020 20:34

Instrument :

MSVOA_N

ClientSampleId :

PB129002ZHE#03

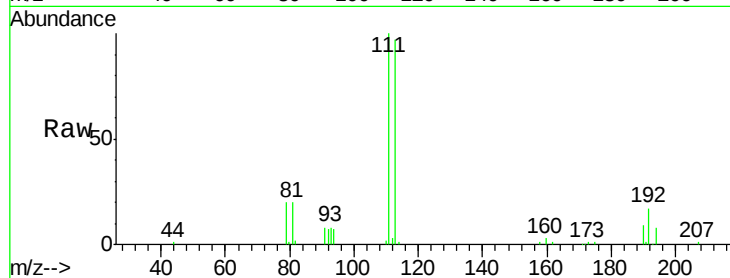
Tot Ion:113 Resp: 140063

Ion Ratio Lower Upper

113 100

111 104.4 80.6 121.0

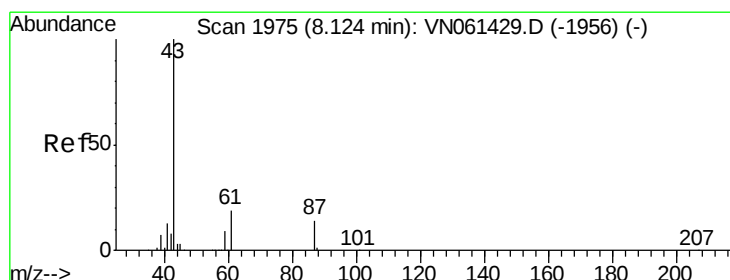
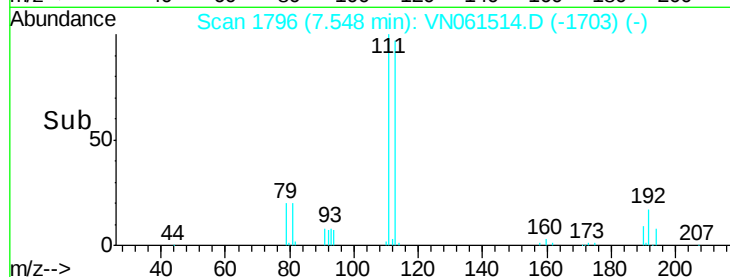
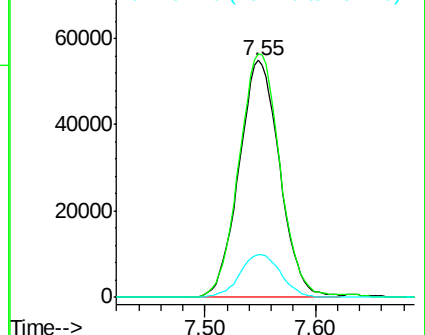
192 18.2 13.2 19.8



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: 9.876 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061514.D

Acq: 20 May 2020 20:34

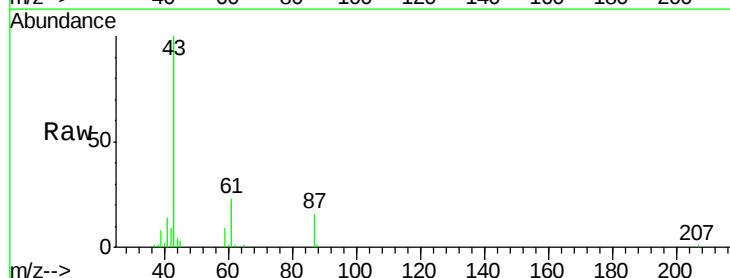
Tgt Ion: 43 Resp: 80714

Ion Ratio Lower Upper

43 100

61 22.1 23.0 34.4#

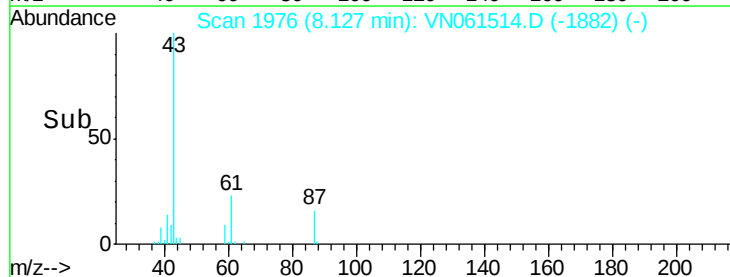
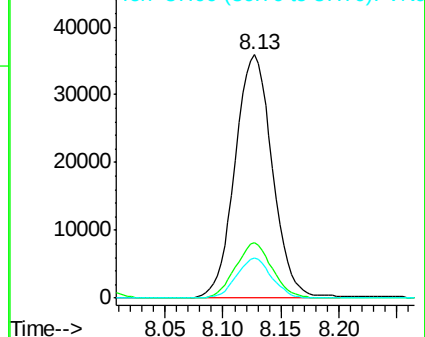
87 15.3 11.6 17.4

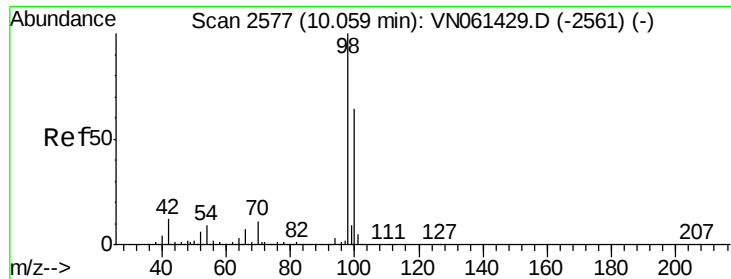


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 51.810 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061514.D

Acq: 20 May 2020 20:34

Instrument :

MSVOA_N

ClientSampleId :

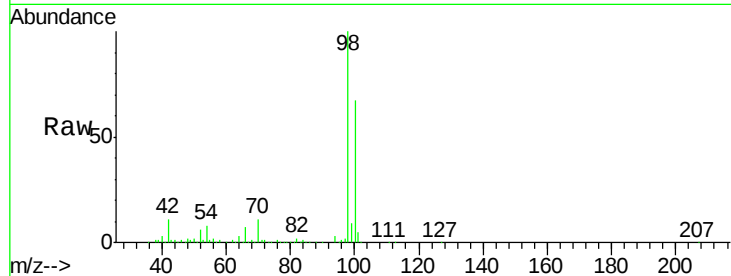
PB129002ZHE#03

Tot Ion: 98 Resp: 695636

Ion Ratio Lower Upper

98 100

100 65.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN061429.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061429.D (-2561) (-)

10.06

400000

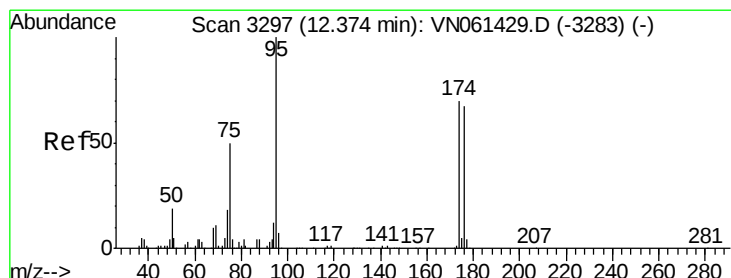
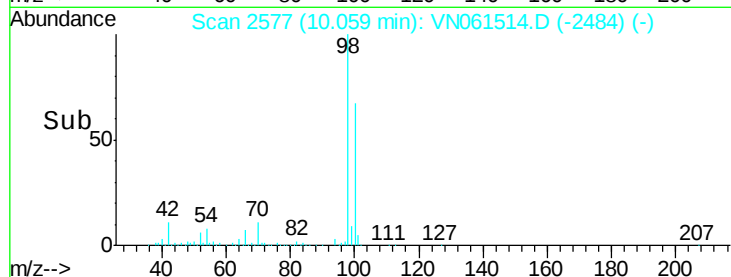
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.097 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061514.D

Acq: 20 May 2020 20:34

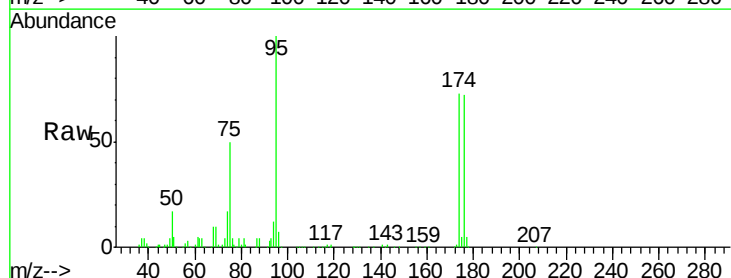
Tgt Ion: 95 Resp: 271370

Ion Ratio Lower Upper

95 100

174 72.6 0.0 141.2

176 70.9 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN061429.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061429.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061429.D (-3283) (-)

12.38

200000

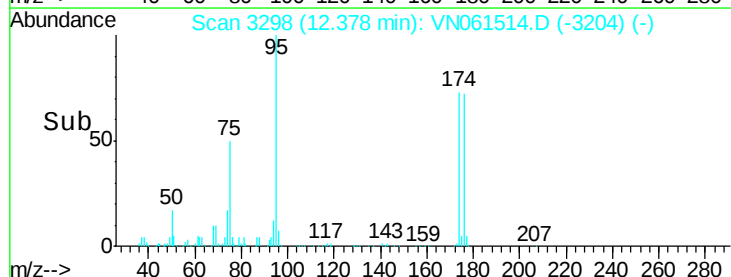
150000

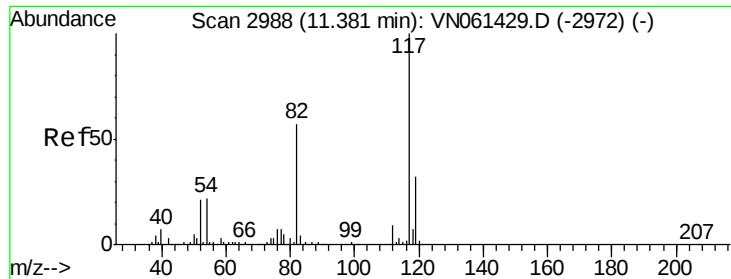
100000

50000

0

Time-->

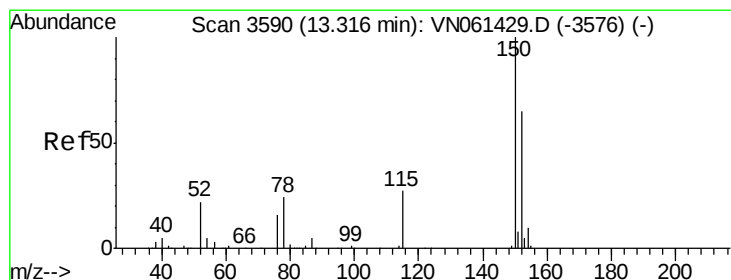
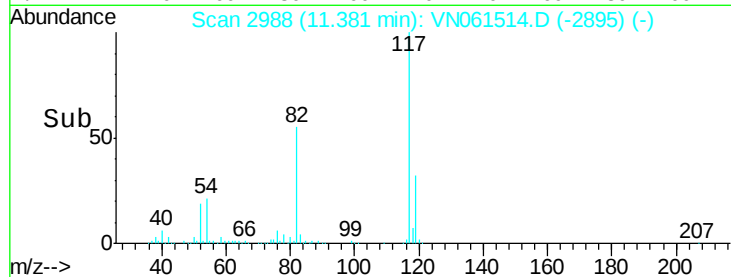
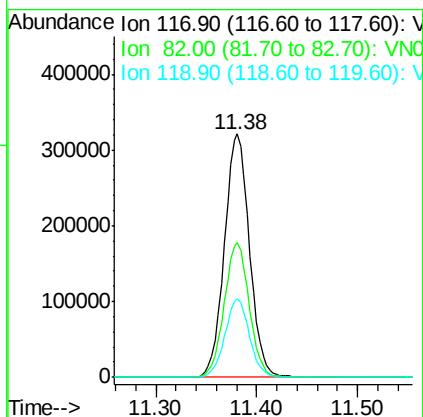
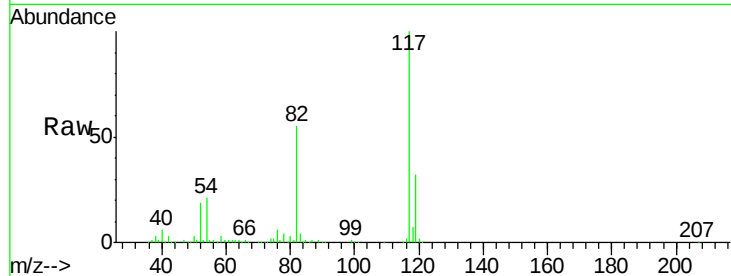




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061514.D
Acq: 20 May 2020 20:34

Instrument :
MSVOA_N
ClientSampleId :
PB129002ZHE#03

Tot Ion:117 Resp: 556069
Ion Ratio Lower Upper
117 100
82 55.3 45.2 67.8
119 32.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061514.D
Acq: 20 May 2020 20:34

Tgt Ion:152 Resp: 249281
Ion Ratio Lower Upper
152 100
115 61.0 30.9 92.5
150 157.2 0.0 349.2

