

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110420\
 Data File : VN064437.D
 Acq On : 4 Nov 2020 15:36
 Operator : JC/MD
 Sample : L4541-09
 Misc : 4.03g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2015

Quant Time: Nov 05 01:28:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	256636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	504081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	497686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	205857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	231475	51.78	ug/l	0.00
Spiked Amount						
			Recovery	=	103.56%	
35) Dibromofluoromethane	7.55	113	165939	48.35	ug/l	0.00
Spiked Amount						
			Recovery	=	96.70%	
50) Toluene-d8	10.06	98	636679	48.00	ug/l	0.00
Spiked Amount						
			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	12.38	95	253861	50.60	ug/l	0.00
Spiked Amount						
			Recovery	=	101.20%	

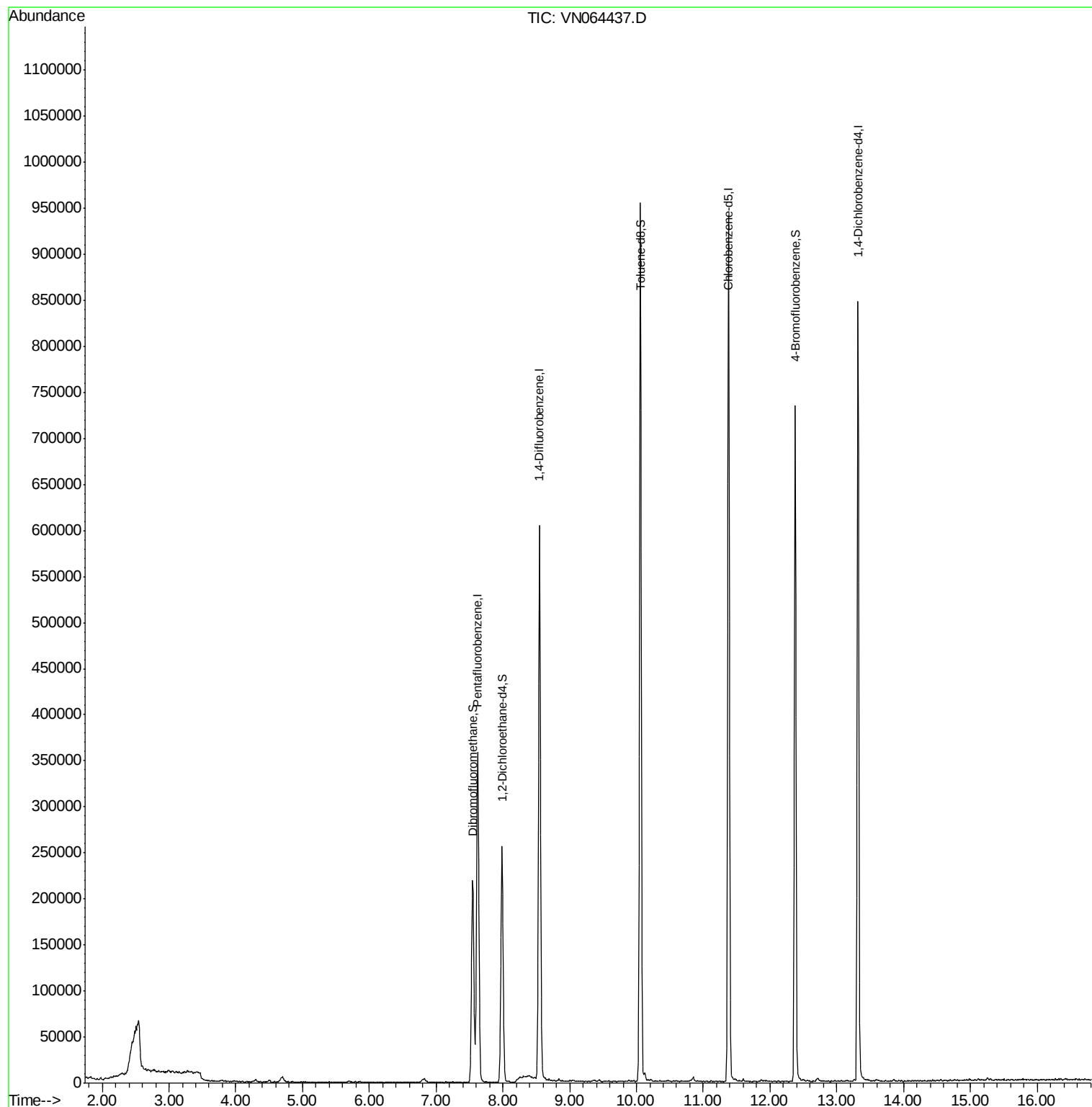
Target Compounds	Qvalue
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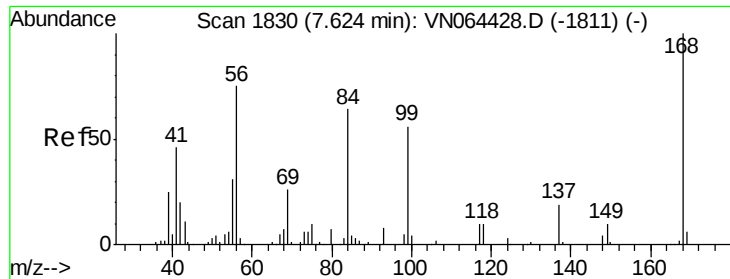
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

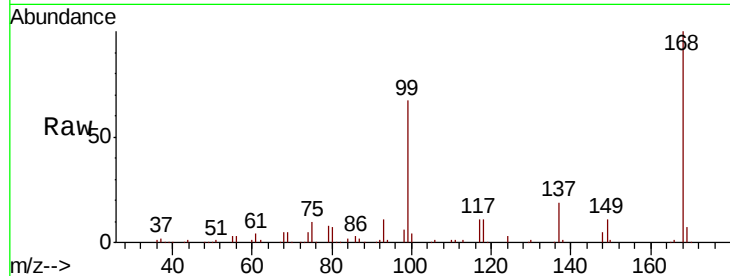
Instrument :
MSVOA_N
ClientSampled :
2015

Tot Ion:168 Resp: 256636

Ion Ratio Lower Upper

168 100

99 66.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

120000

100000

80000

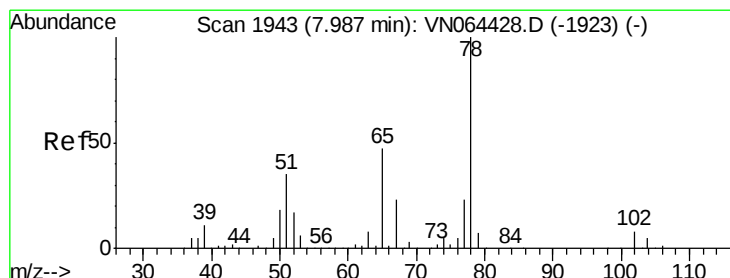
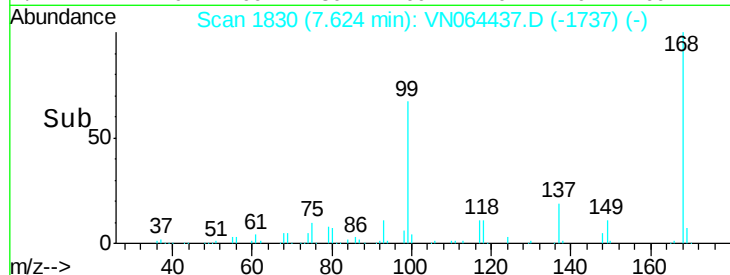
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 51.782 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064437.D

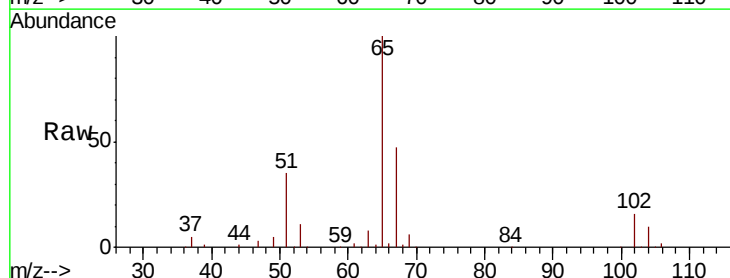
Acq: 4 Nov 2020 15:36

Tgt Ion: 65 Resp: 231475

Ion Ratio Lower Upper

65 100

67 49.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

100000

80000

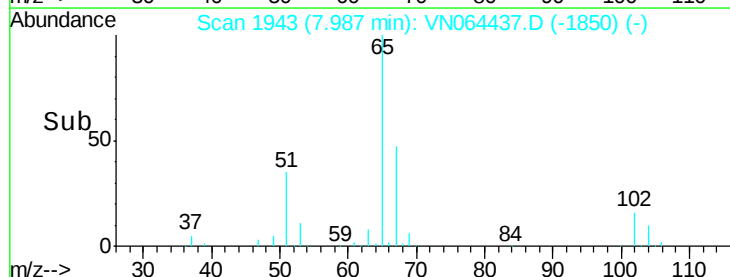
60000

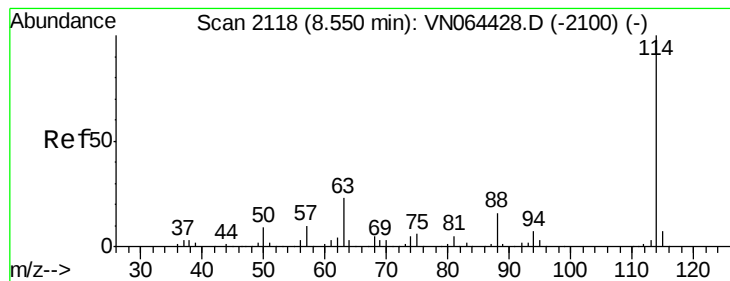
40000

20000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :
2015

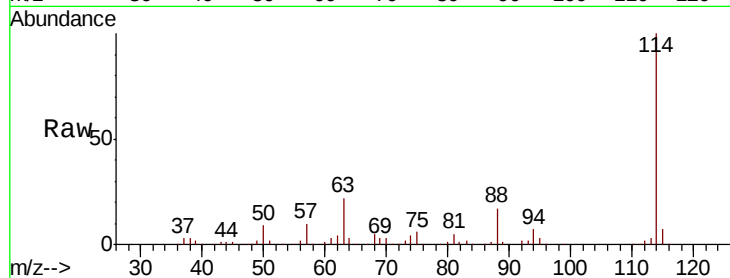
Tot Ion:114 Resp: 504081

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

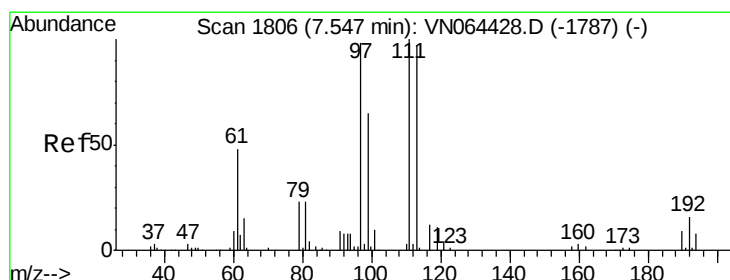
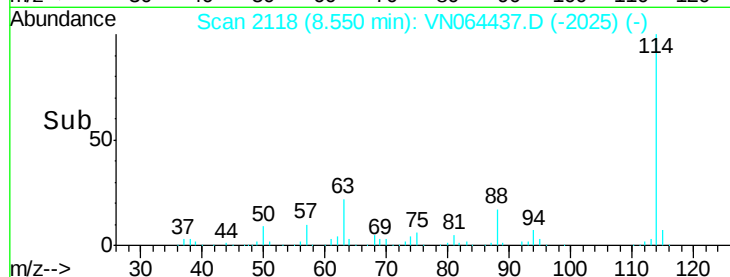
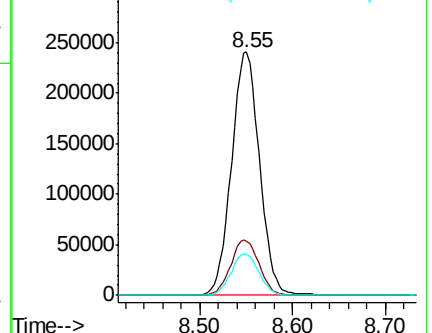
88 16.8 0.0 32.8



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: 48.349 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

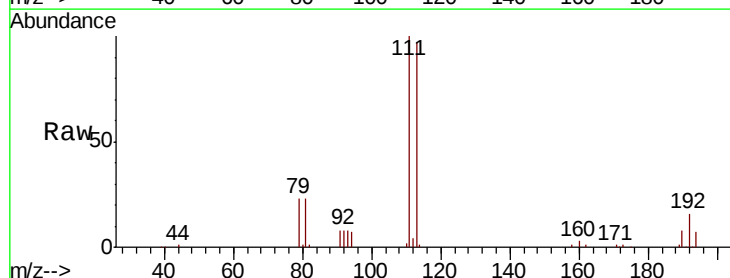
Tgt Ion:113 Resp: 165939

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

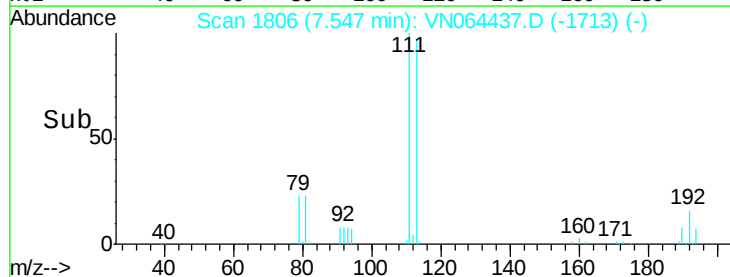
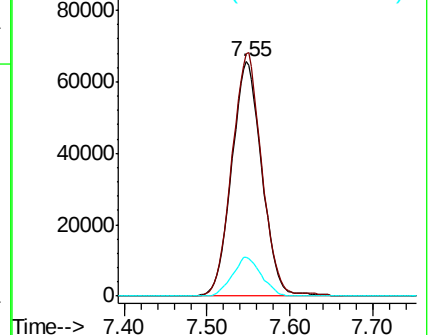
192 15.9 12.8 19.2

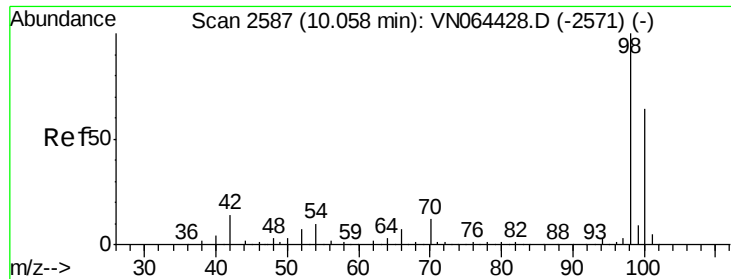


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.997 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

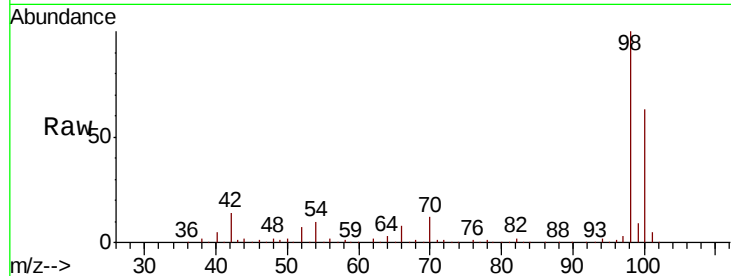
ClientSampled :
2015

Tot Ion: 98 Resp: 636679

Ion Ratio Lower Upper

98 100

100 63.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

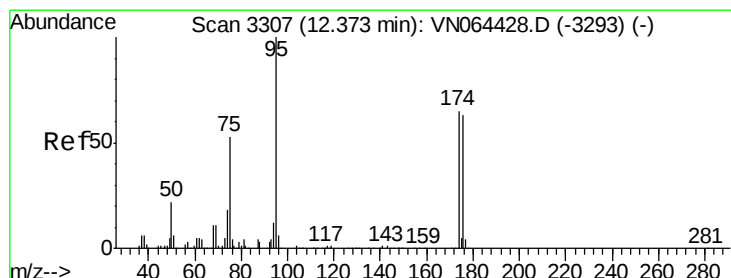
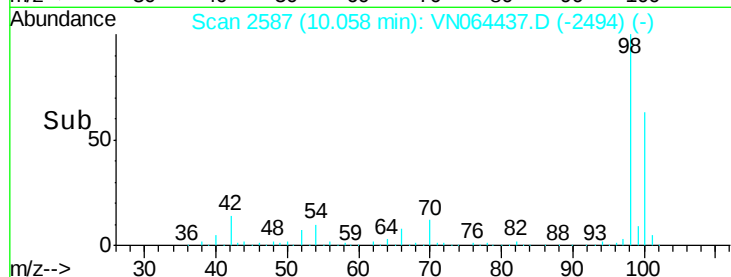
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.603 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

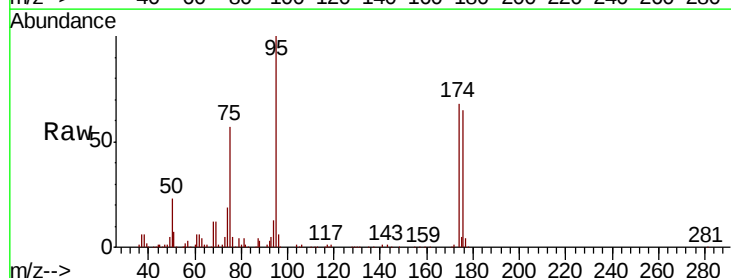
Tgt Ion: 95 Resp: 253861

Ion Ratio Lower Upper

95 100

174 69.0 0.0 132.6

176 64.6 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)

12.38

200000

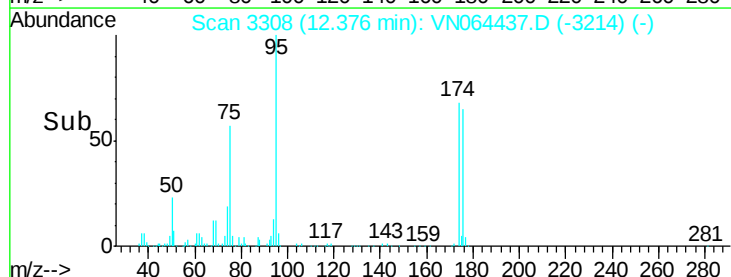
150000

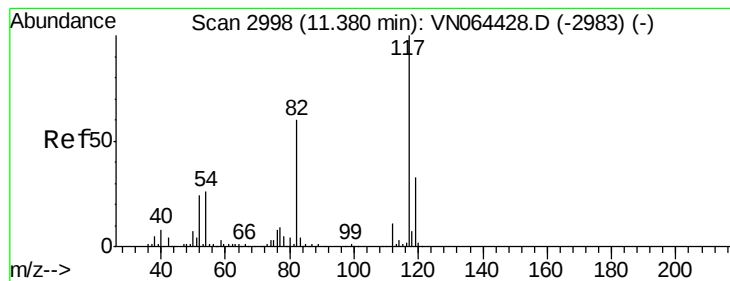
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :
2015

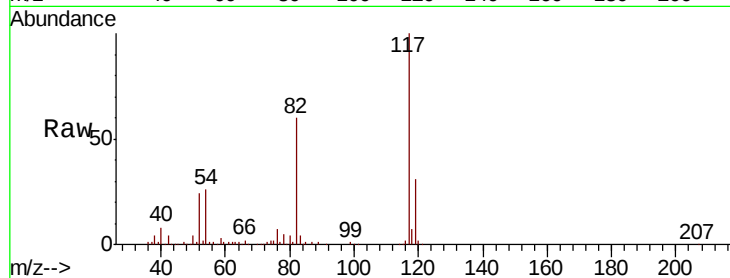
Tot Ion:117 Resp: 497686

Ion Ratio Lower Upper

117 100

82 60.0 48.1 72.1

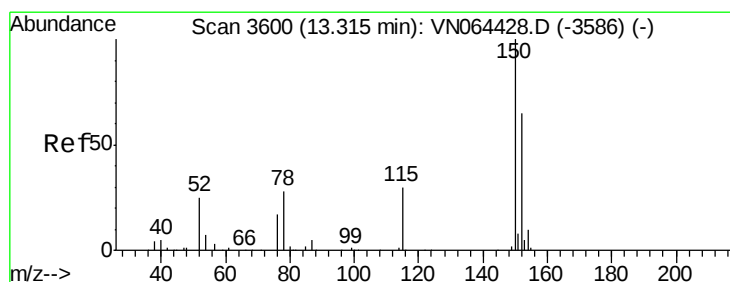
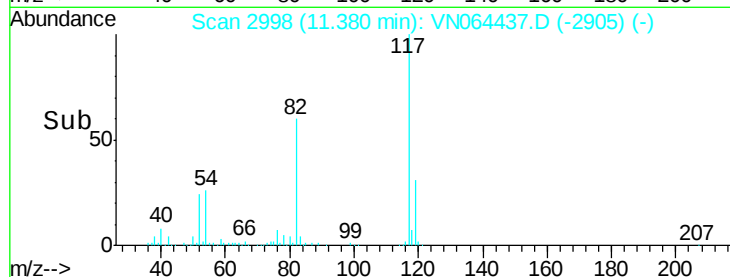
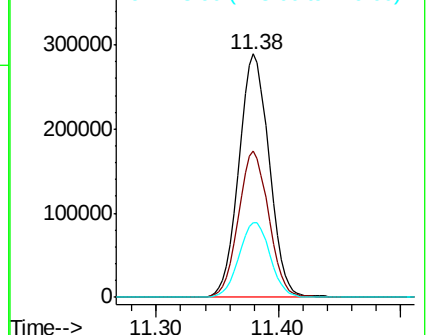
119 30.9 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

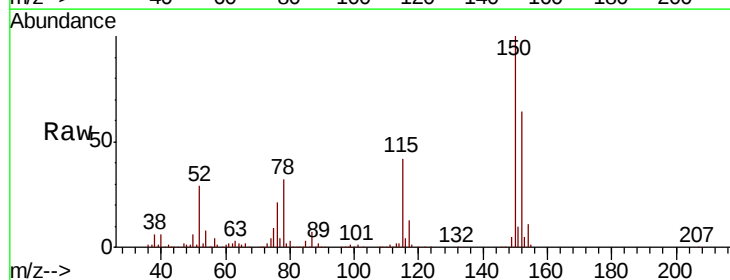
Tgt Ion:152 Resp: 205857

Ion Ratio Lower Upper

152 100

115 65.9 32.0 96.0

150 158.7 0.0 353.8



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

