

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064949.D
 Acq On : 7 Dec 2020 16:48
 Operator : JC/MD
 Sample : L4954-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6036-120320

Quant Time: Dec 08 16:54:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	179704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	316812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	328393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	144761	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	106708	51.08	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	102.16%	
35) Dibromofluoromethane	7.55	113	100700	53.12	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	106.24%	
50) Toluene-d8	10.06	98	396460	51.18	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.37	95	153119	55.24	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	110.48%	

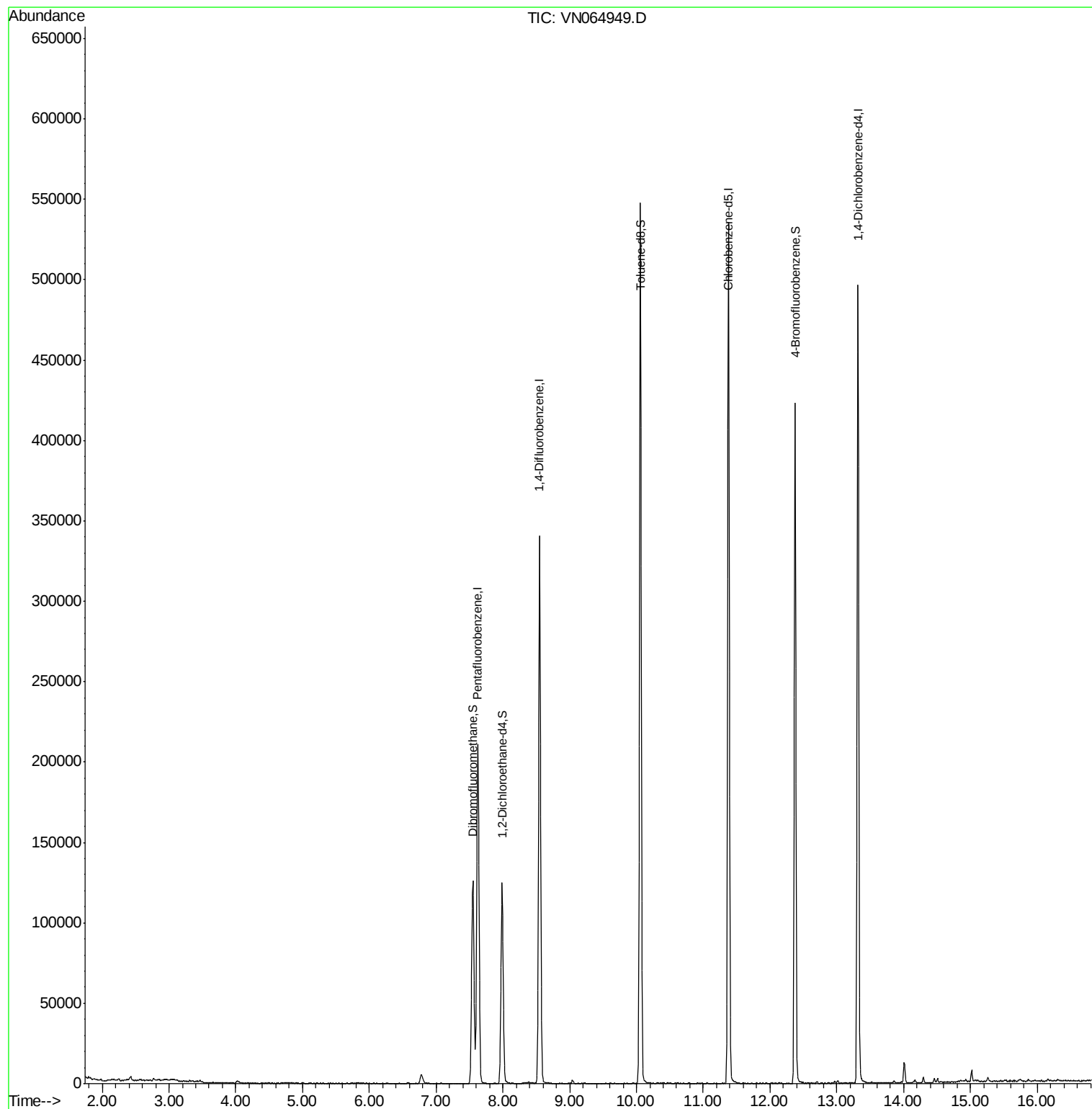
Target Compounds	Qvalue

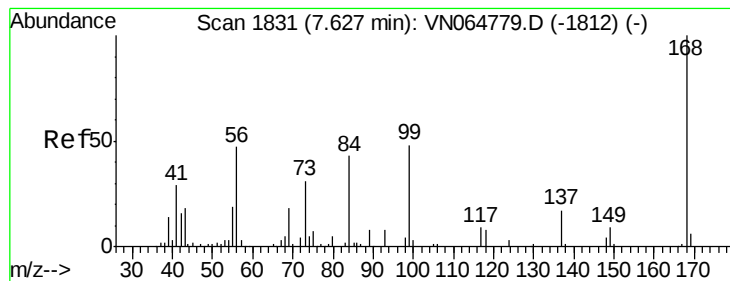
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064949.D

Acq: 7 Dec 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

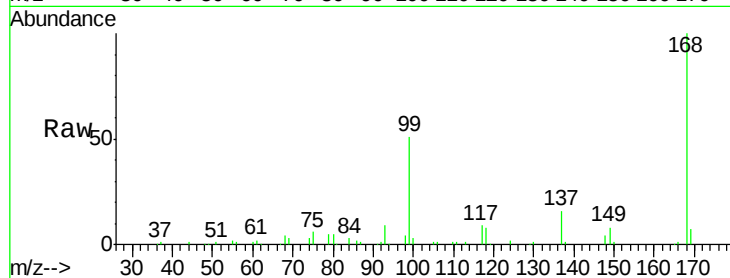
SS013-13-6036-120320

Tot Ion:168 Resp: 179704

Ion Ratio Lower Upper

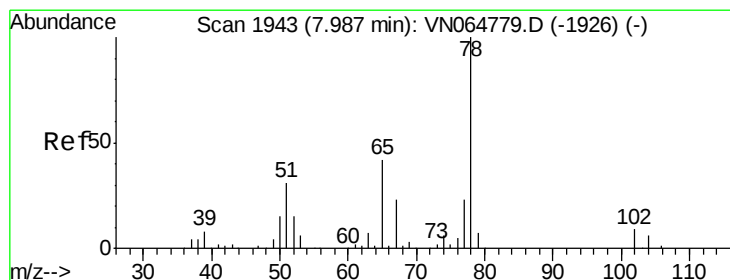
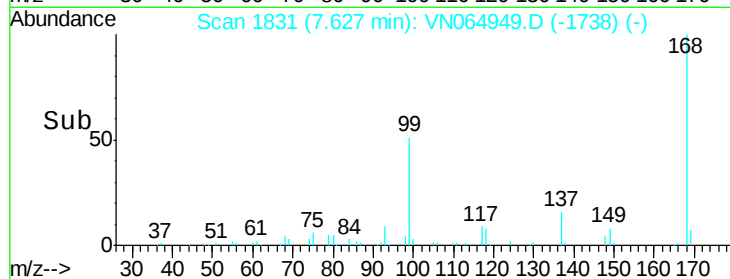
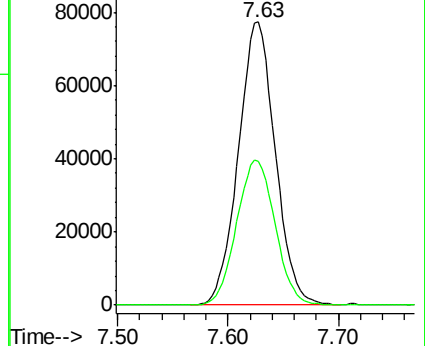
168 100

99 50.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: 51.077 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064949.D

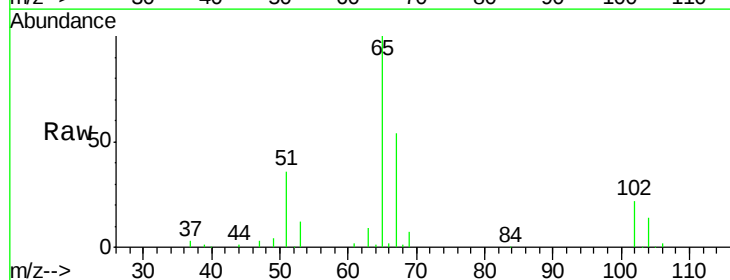
Acq: 7 Dec 2020 16:48

Tgt Ion: 65 Resp: 106708

Ion Ratio Lower Upper

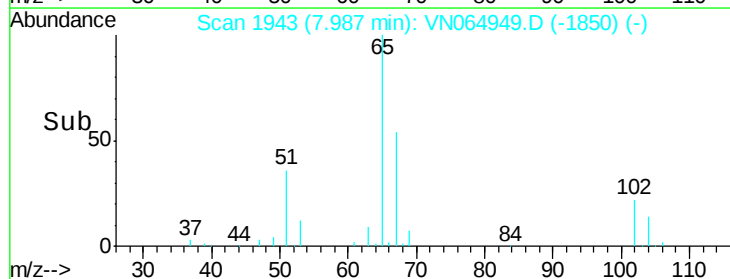
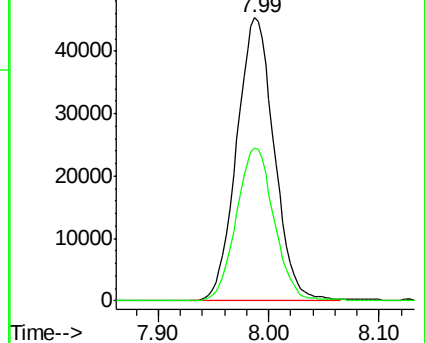
65 100

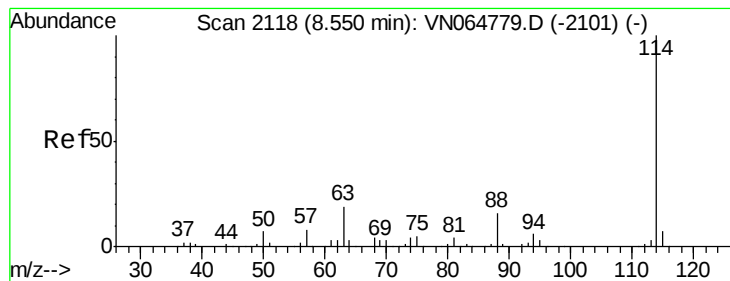
67 54.4 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064949.D

Acq: 7 Dec 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6036-120320

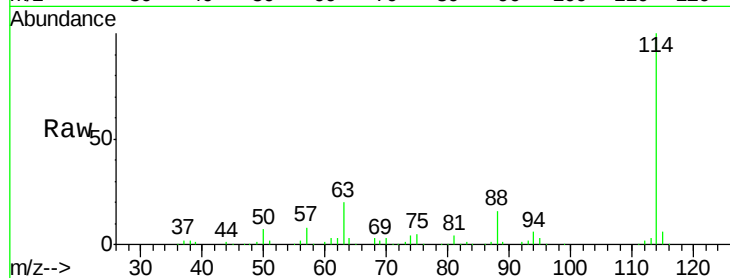
Tot Ion:114 Resp: 316812

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.6

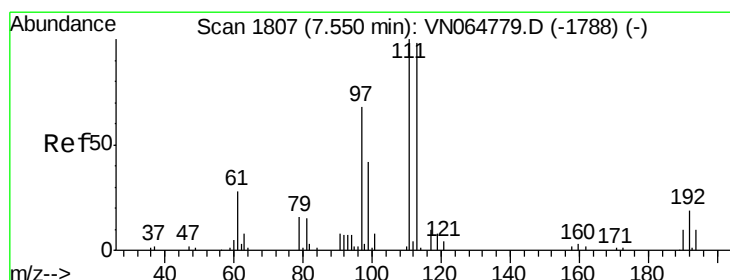
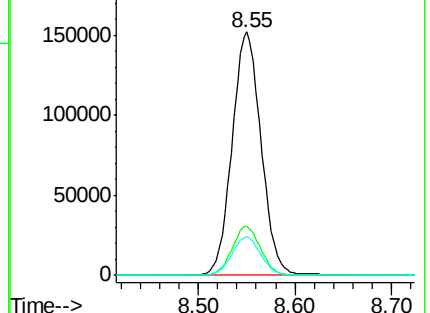
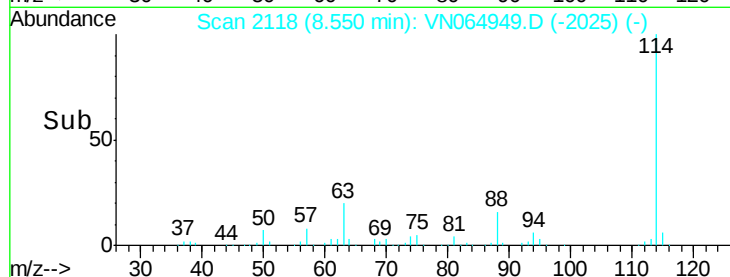
88 16.0 0.0 32.6



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: 53.120 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064949.D

Acq: 7 Dec 2020 16:48

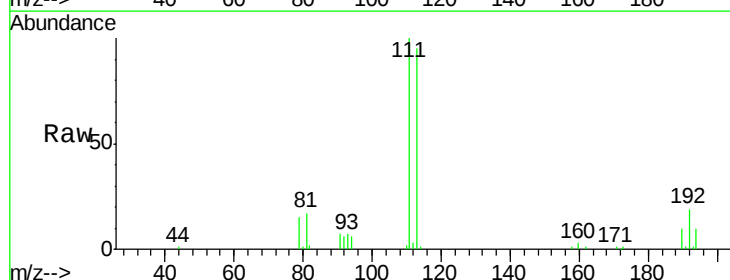
Tgt Ion:113 Resp: 100700

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

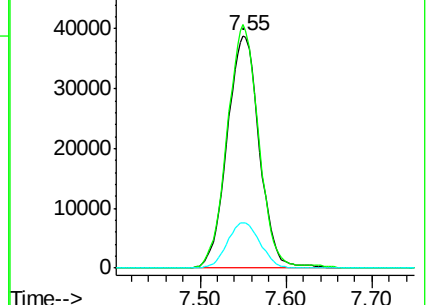
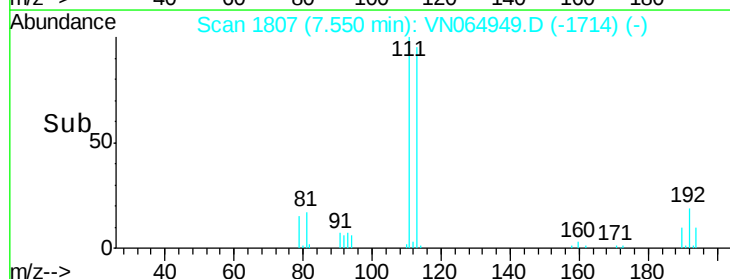
192 19.8 16.2 24.2

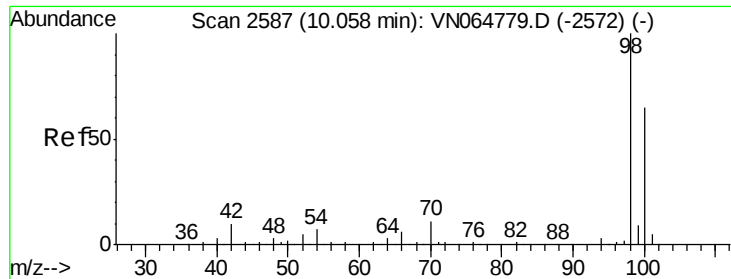


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.185 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064949.D

Acq: 7 Dec 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

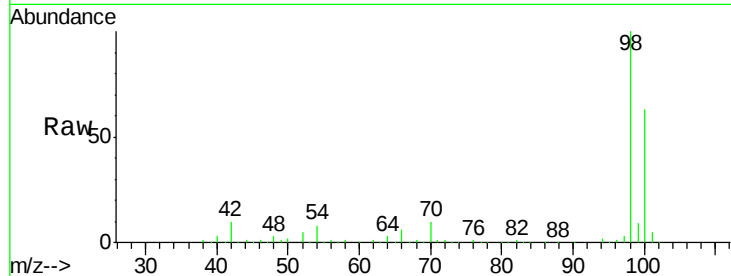
SS013-13-6036-120320

Tot Ion: 98 Resp: 396460

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

250000

200000

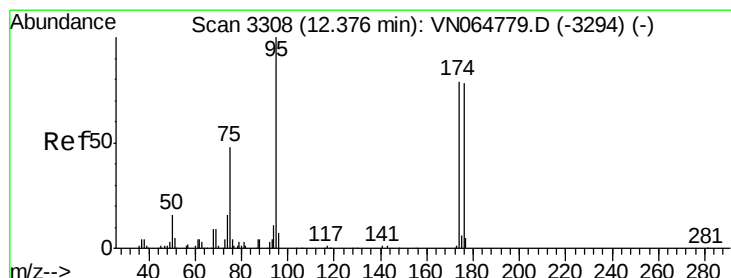
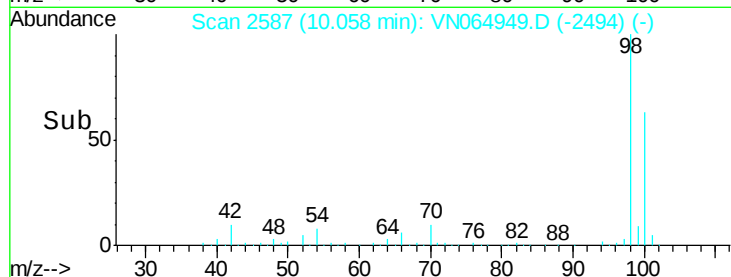
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.237 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064949.D

Acq: 7 Dec 2020 16:48

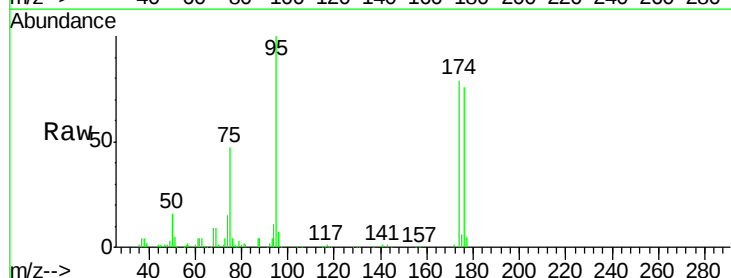
Tgt Ion: 95 Resp: 153119

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.4

176 78.9 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.37

120000

100000

80000

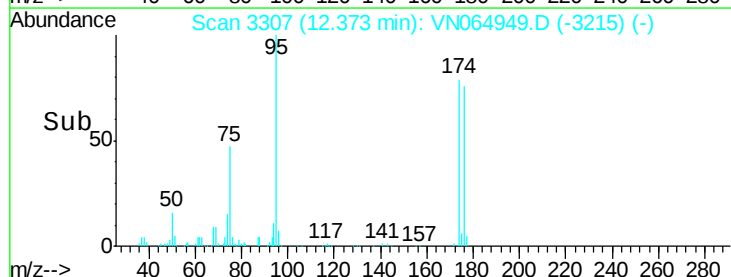
60000

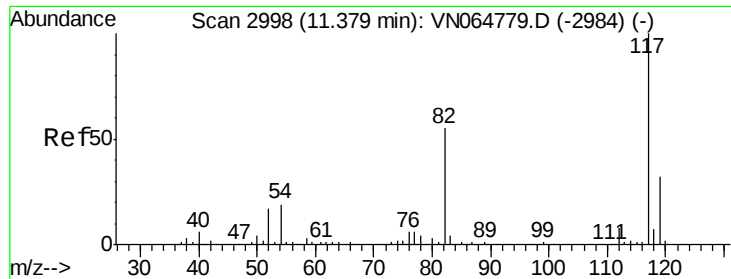
40000

20000

0

Time-->

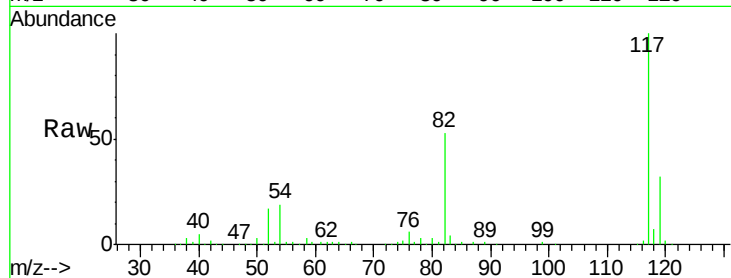




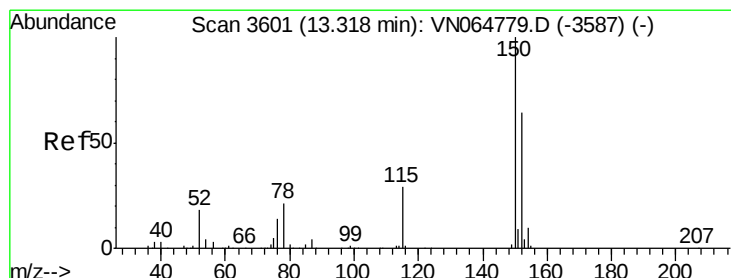
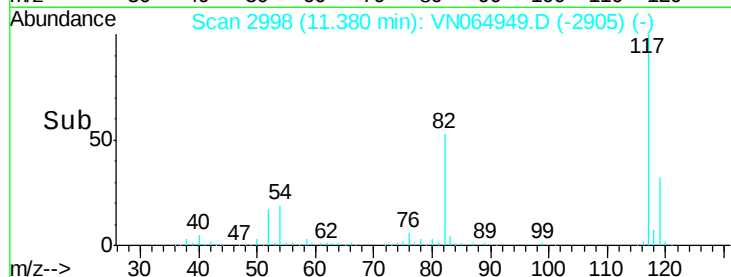
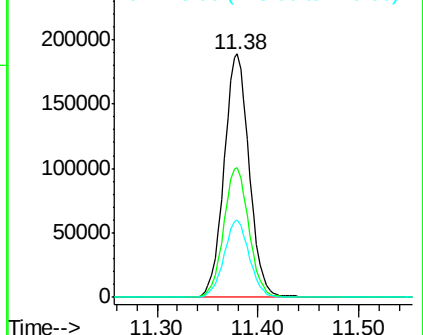
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064949.D
Acq: 7 Dec 2020 16:48

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6036-120320

Tot Ion:117 Resp: 328393
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 31.5 25.8 38.6

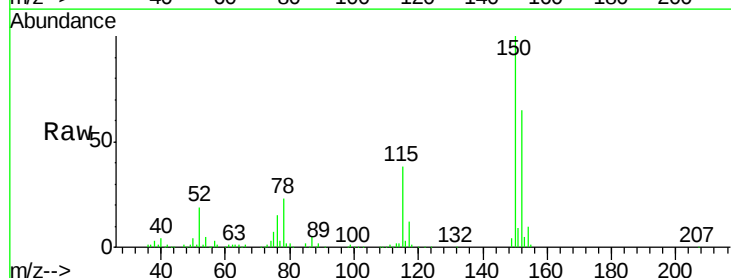


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064949.D
Acq: 7 Dec 2020 16:48

Tgt Ion:152 Resp: 144761
Ion Ratio Lower Upper
152 100
115 58.3 29.7 89.1
150 157.0 0.0 350.6



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

