

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064794.D
 Acq On : 23 Nov 2020 19:35
 Operator : JC/MD
 Sample : L4829-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16D

Quant Time: Nov 24 04:47:02 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	149477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	269293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	283584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	98053	56.42	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	112.84%
35) Dibromofluoromethane	7.55	113	86278	53.54	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.08%
50) Toluene-d8	10.06	98	340890	51.78	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.56%
62) 4-Bromofluorobenzene	12.38	95	130600	55.43	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.86%

Target Compounds

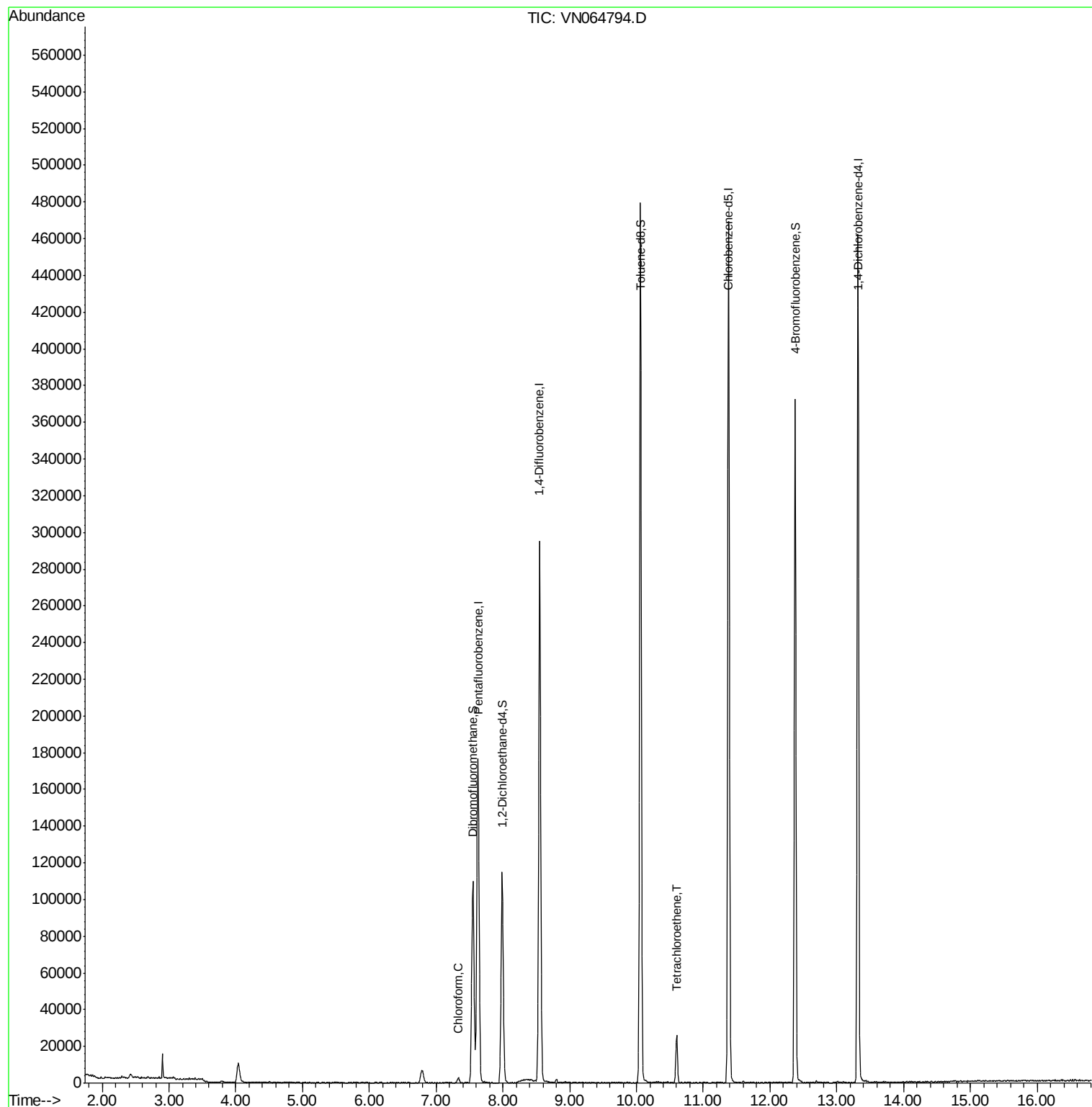
					Qvalue
30) Chloroform	7.33	83	3285	1.114 ug/l	98
64) Tetrachloroethene	10.60	164	6487	2.351 ug/l	91

(#) = 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

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ClientSampleId :

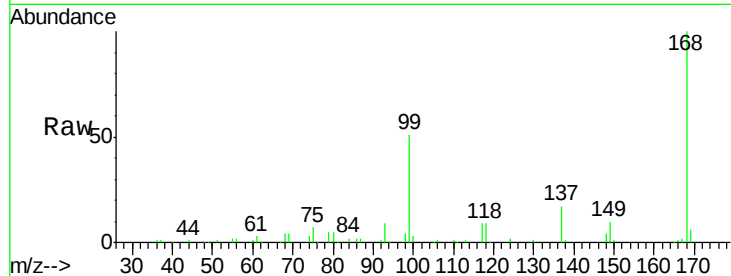
MW-16D

Tot Ion:168 Resp: 149477

Ion Ratio Lower Upper

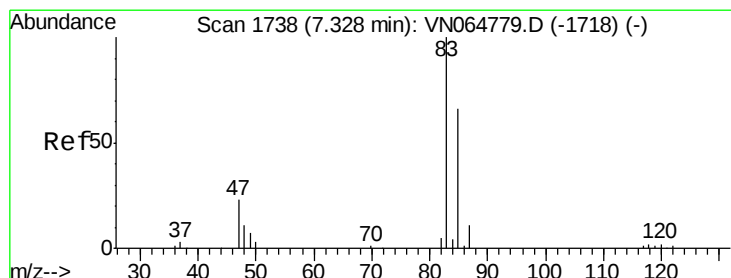
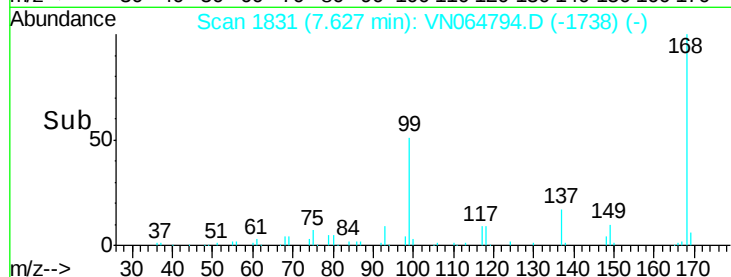
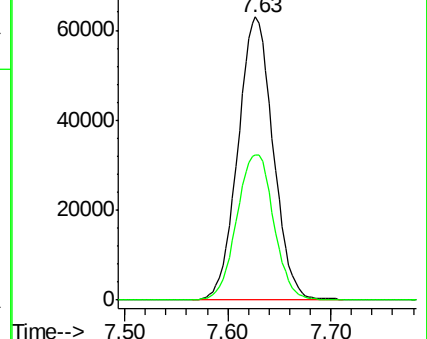
168 100

99 51.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#30

Chloroform

Concen: 1.114 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064794.D

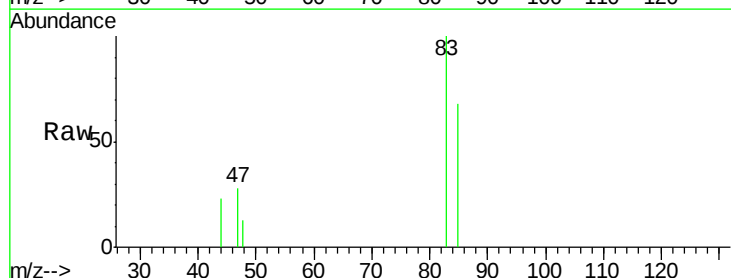
Acq: 23 Nov 2020 19:35

Tgt Ion: 83 Resp: 3285

Ion Ratio Lower Upper

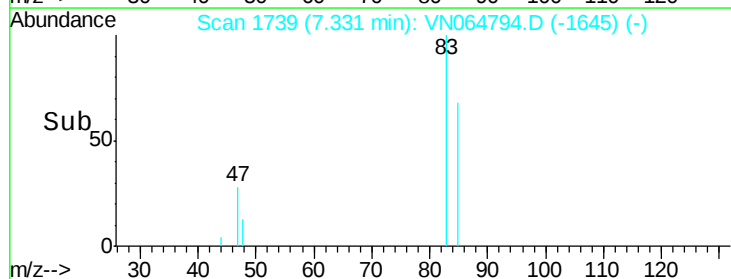
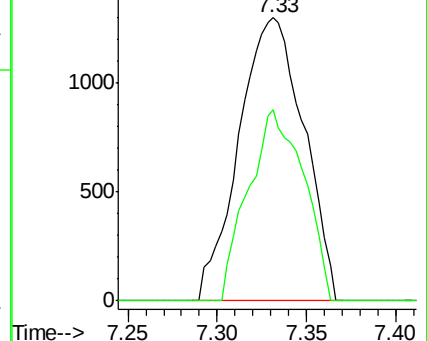
83 100

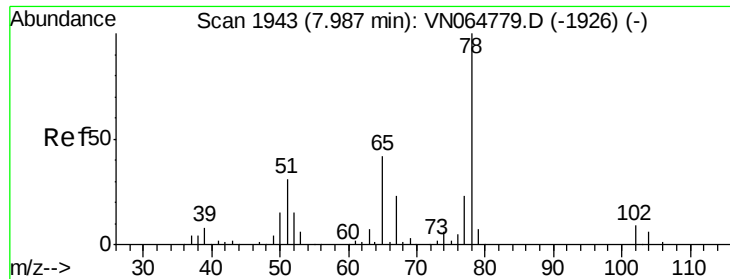
85 67.5 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN

Ion 84.90 (84.60 to 85.60): VN





#33

1,2-Dichloroethane-d4

Concen: 56.425 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

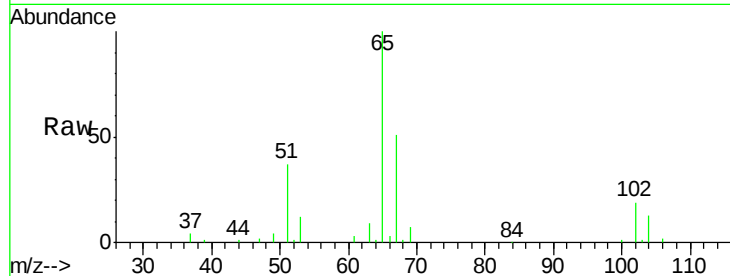
MW-16D

Tot Ion: 65 Resp: 98053

Ion Ratio Lower Upper

65 100

67 52.7 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)

7.99

40000

30000

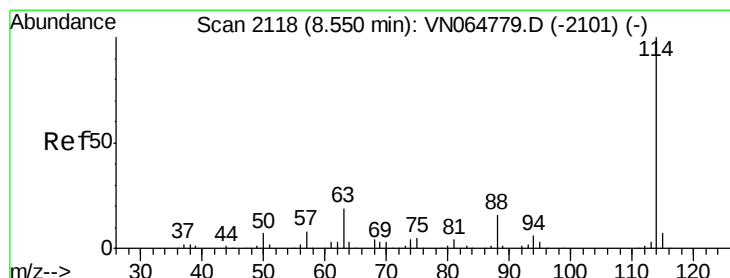
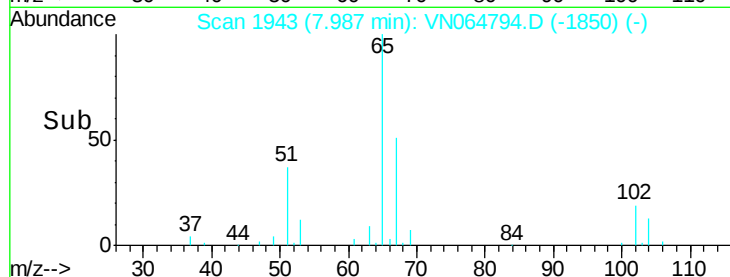
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

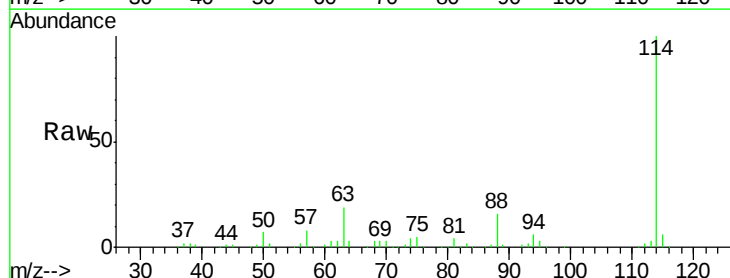
Tgt Ion: 114 Resp: 269293

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 15.7 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064779.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)

8.55

150000

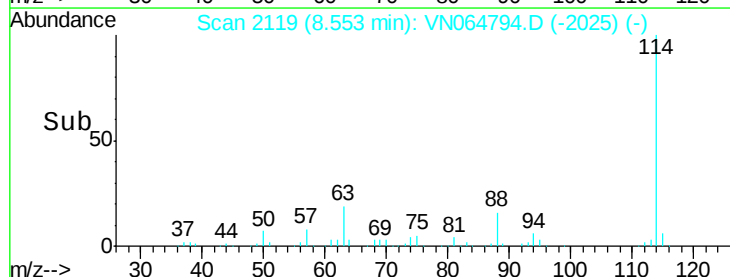
100000

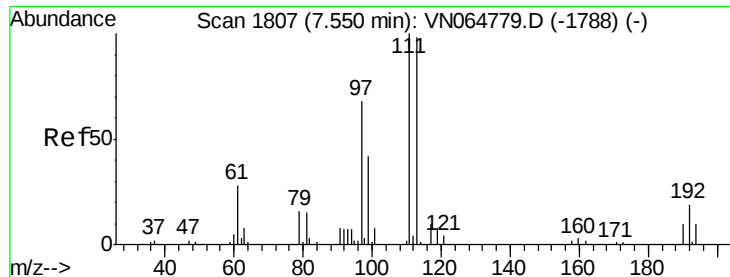
50000

0

8.50 8.60

Time-->

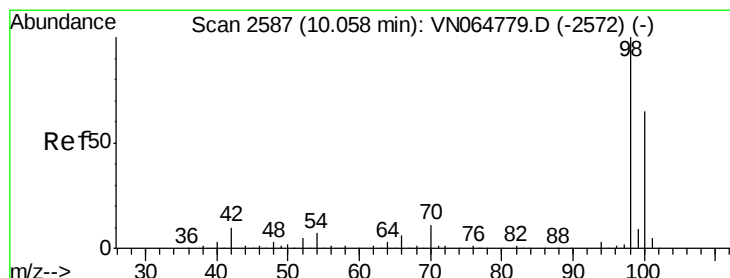
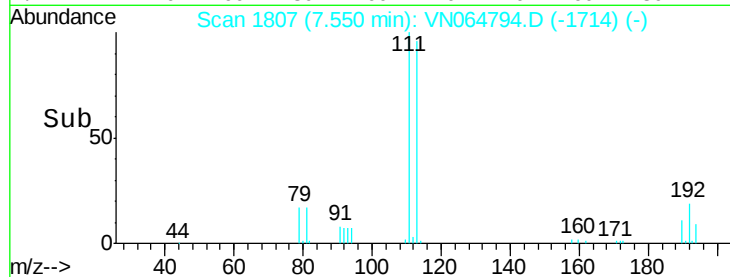
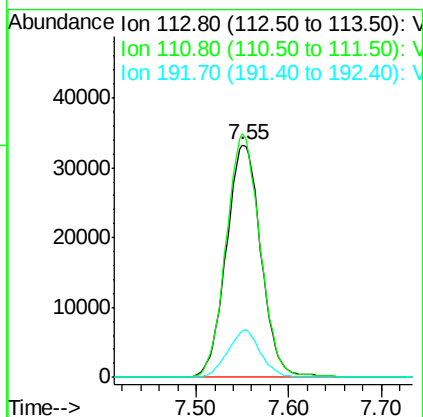
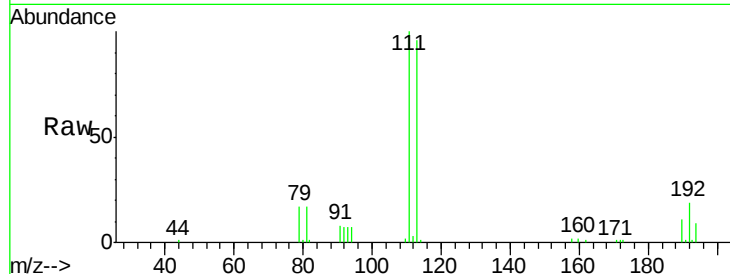




#35
 Dibromofluoromethane
 Concen: 53.543 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064794.D
 Acq: 23 Nov 2020 19:35

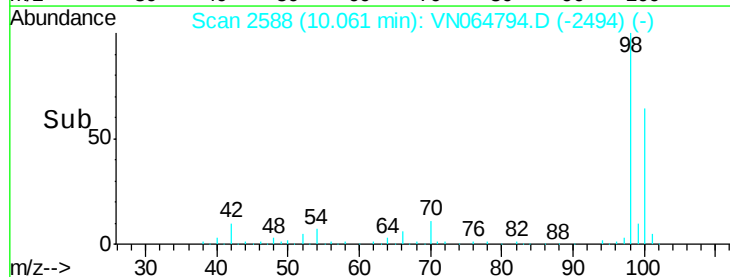
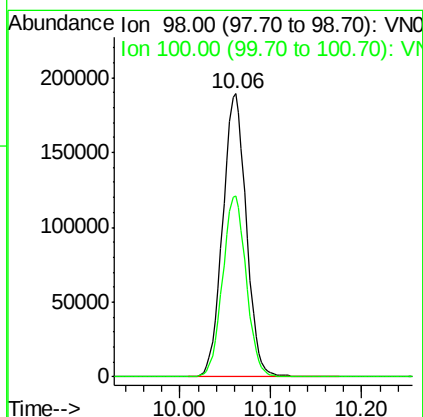
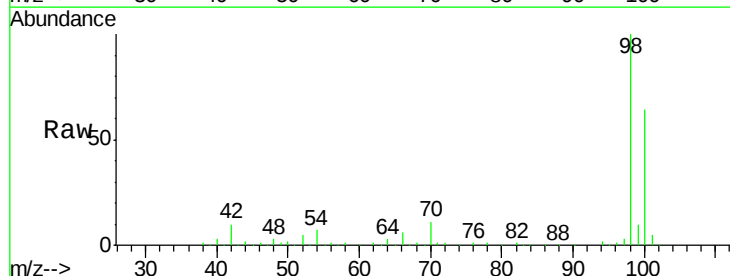
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16D

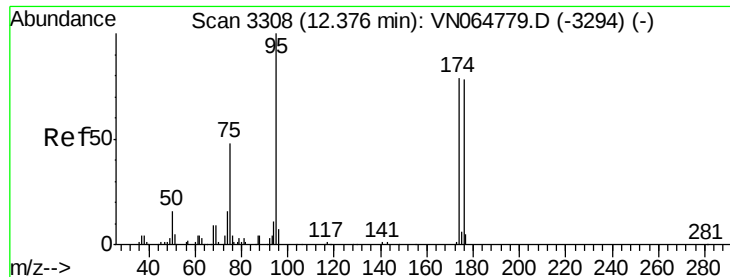
Tot Ion:113 Resp: 86278
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.6 122.4
 192 19.1 16.2 24.2



#50
 Toluene-d8
 Concen: 51.776 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN064794.D
 Acq: 23 Nov 2020 19:35

Tgt Ion: 98 Resp: 340890
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 55.427 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampled :

MW-16D

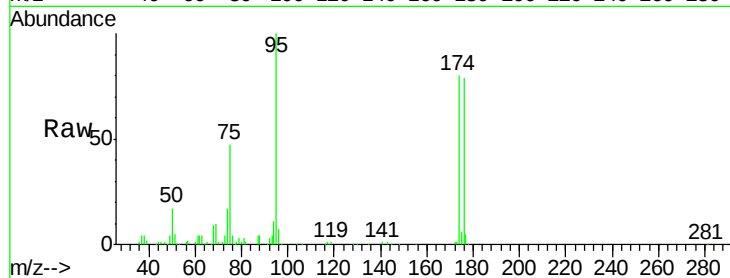
Tot Ion: 95 Resp: 130600

Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.4

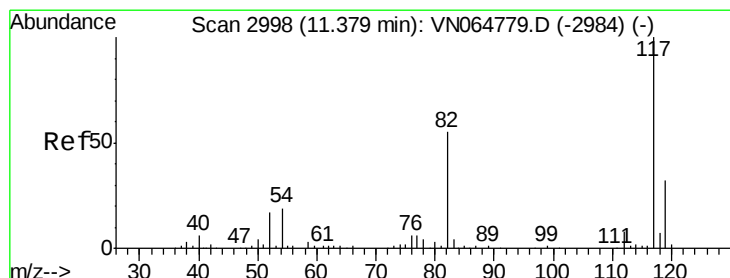
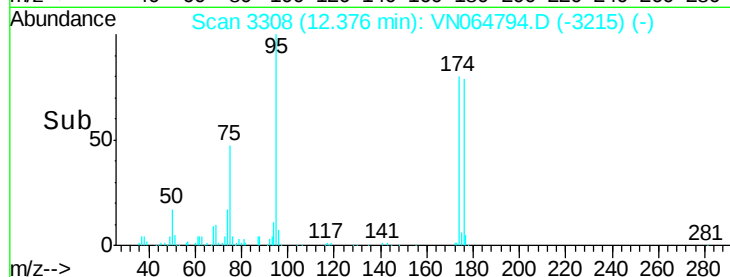
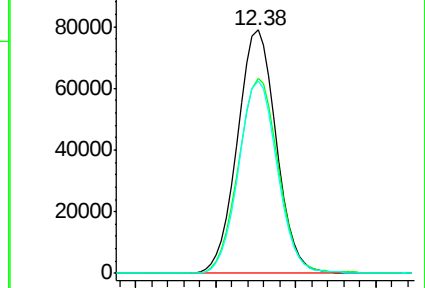
176 79.1 0.0 158.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

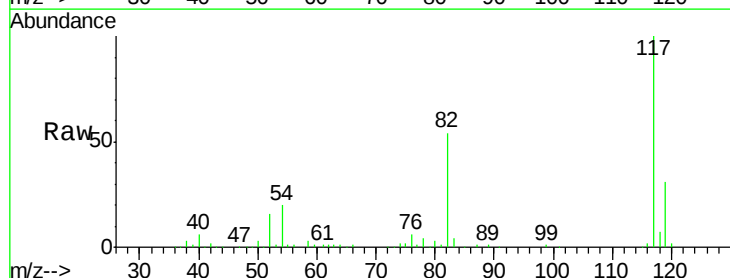
Tgt Ion: 117 Resp: 283584

Ion Ratio Lower Upper

117 100

82 53.9 44.2 66.2

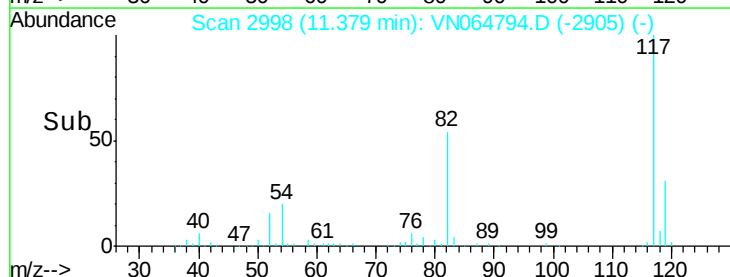
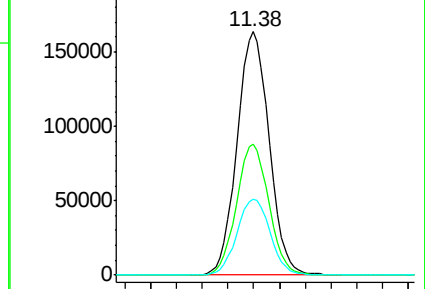
119 31.1 25.8 38.6

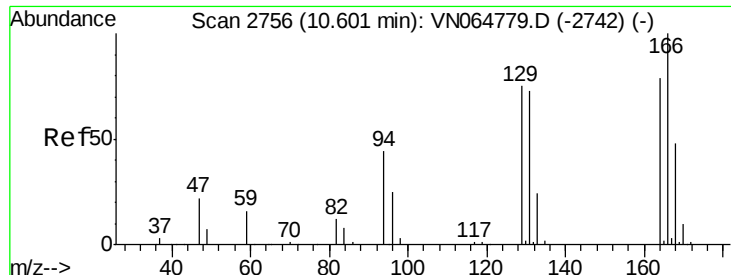


Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)





#64

Tetrachloroethene

Concen: 2.351 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

MW-16D

Tot Ion:164 Resp: 6487

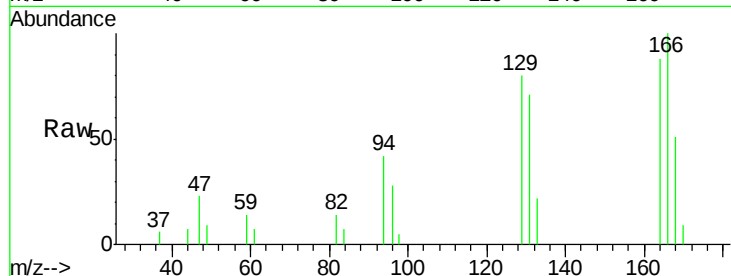
Ion Ratio Lower Upper

164 100

166 113.7 101.4 152.0

129 91.4 76.1 114.1

131 81.2 74.2 111.2

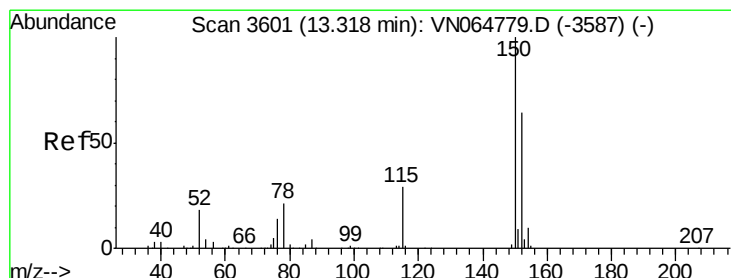
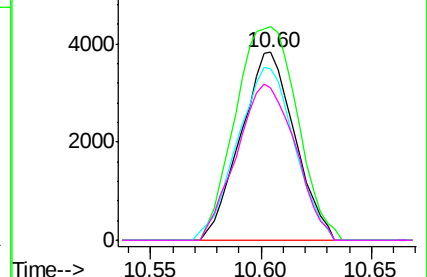
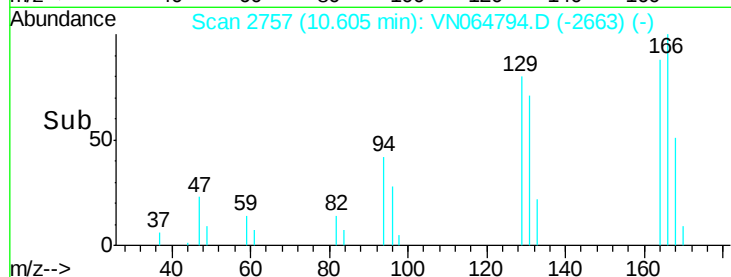


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN064794.D

Acq: 23 Nov 2020 19:35

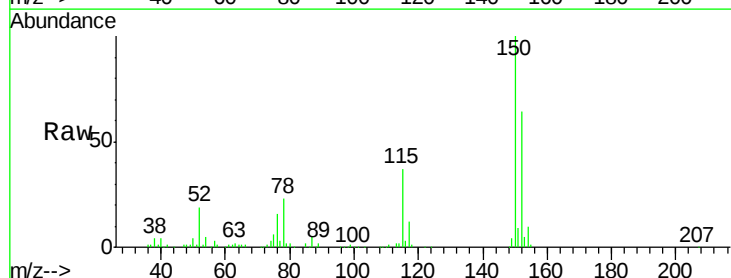
Tgt Ion:152 Resp: 130824

Ion Ratio Lower Upper

152 100

115 58.6 29.7 89.1

150 155.8 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

