

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063899.D
 Acq On : 6 Oct 2020 17:32
 Operator : JC/MD
 Sample : L4226-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-100120

Quant Time: Oct 06 18:05:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

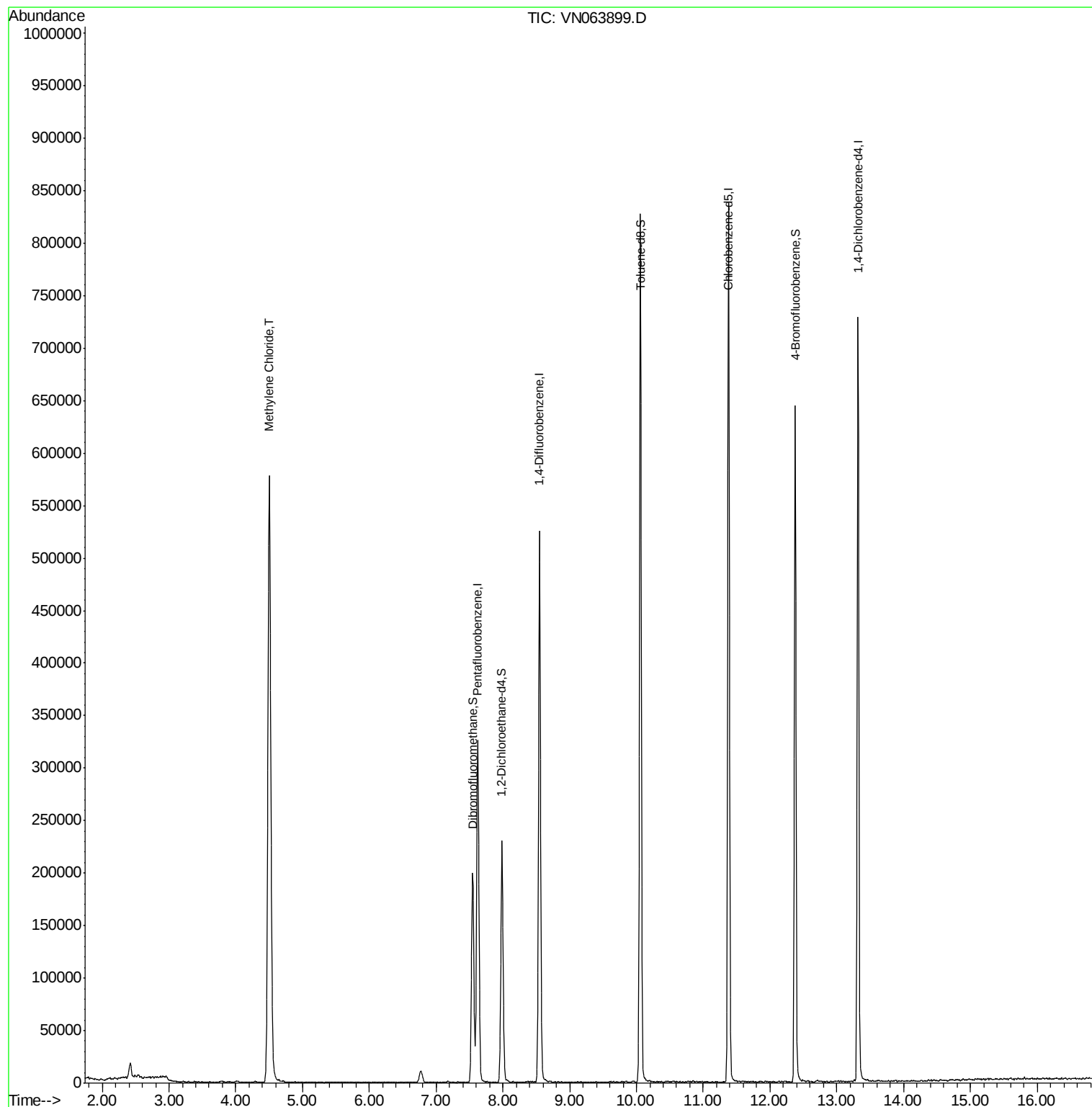
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	240906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	435006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	447461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186261	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	205960	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.55	113	149868	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.06	98	549747	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.38	95	215996	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
Target Compounds						
20) Methylene Chloride	4.50	84	408558	145.404	ug/l	Qvalue 97

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

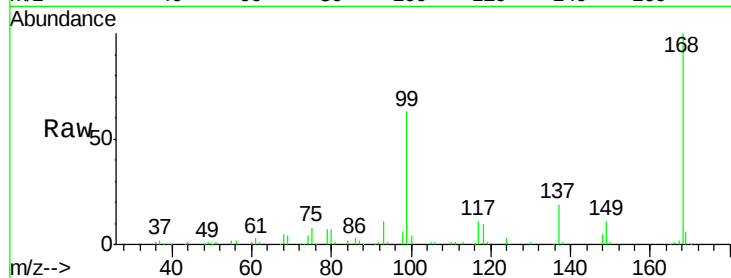
TR-05-100120

Tot Ion:168 Resp: 240906

Ion Ratio Lower Upper

168 100

99 63.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

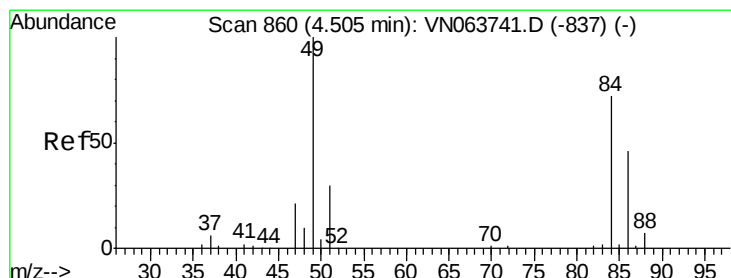
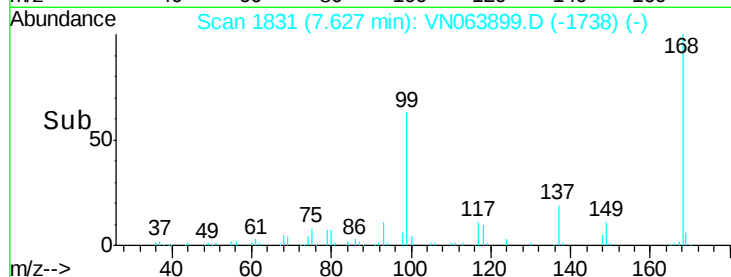
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#20

Methylene Chloride

Concen: 145.404 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Tgt Ion: 84 Resp: 408558

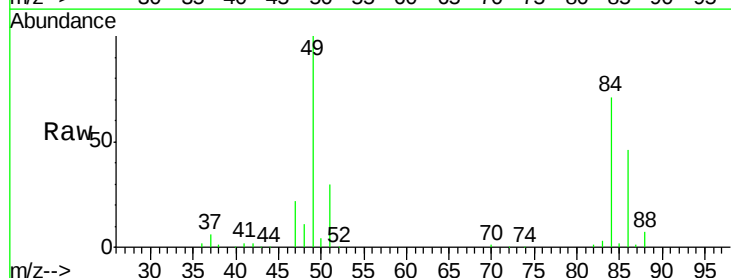
Ion Ratio Lower Upper

84 100

49 141.7 110.4 165.6

51 42.8 33.3 49.9

86 65.1 50.7 76.1



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

250000

200000

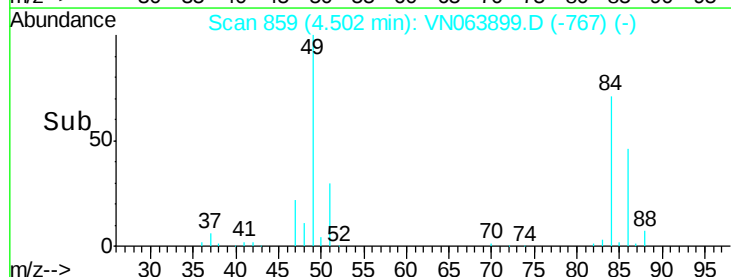
150000

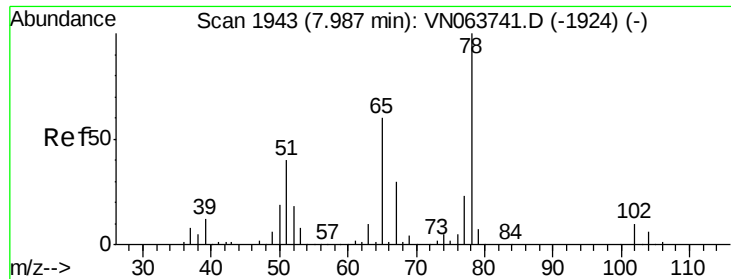
100000

50000

0

Time--> 4.40 4.50 4.60

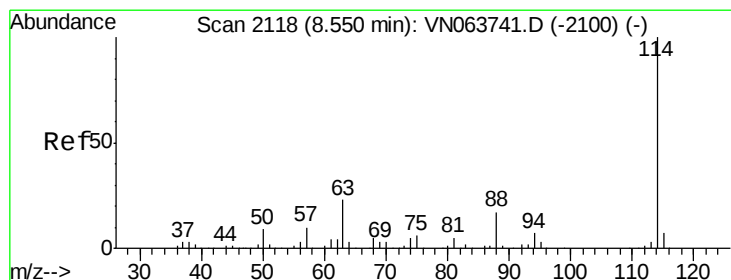
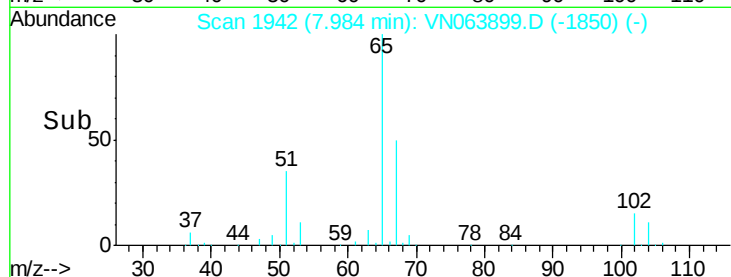
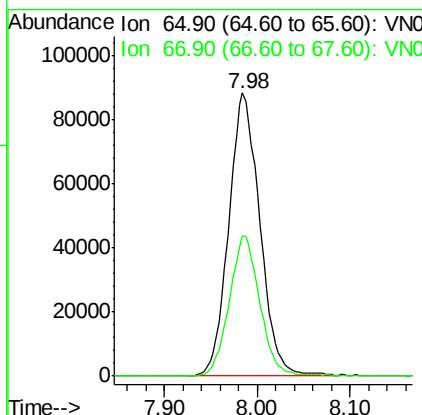
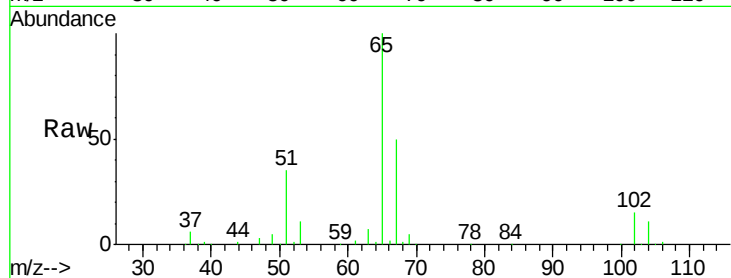




#33
 1,2-Dichloroethane-d4
 Concen: 51.750 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

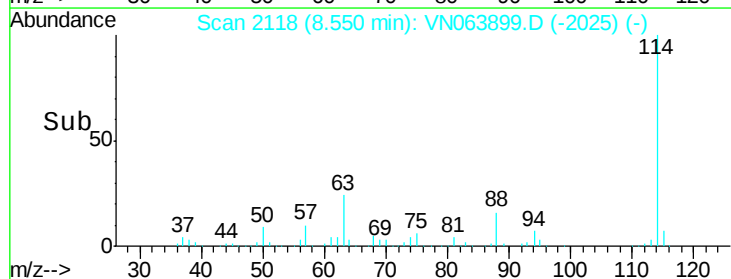
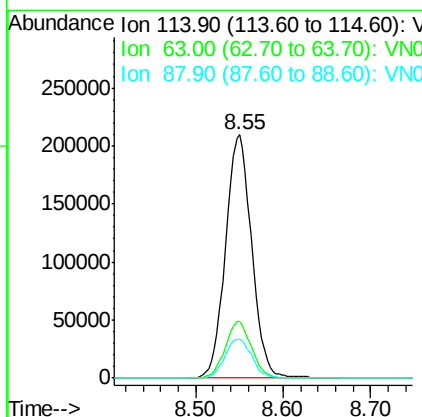
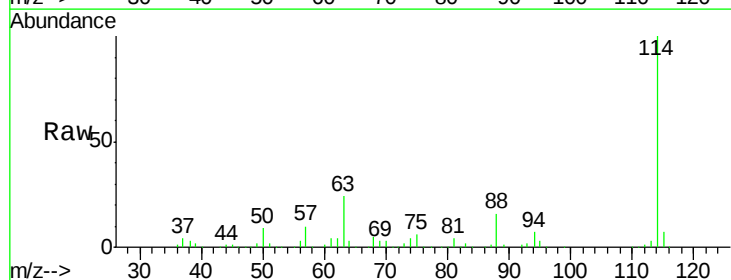
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-100120

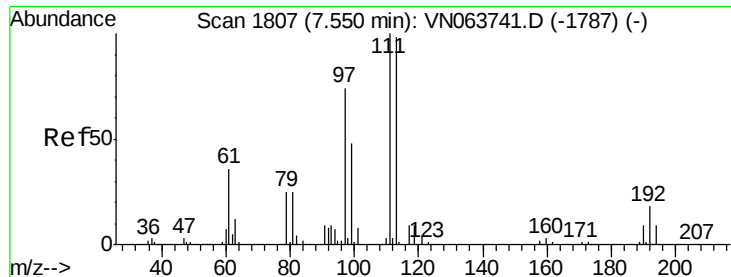
Tot Ion: 65 Resp: 205960
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063899.D
 Acq: 6 Oct 2020 17:32

Tgt Ion: 114 Resp: 435006
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.0
 88 16.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.651 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100120

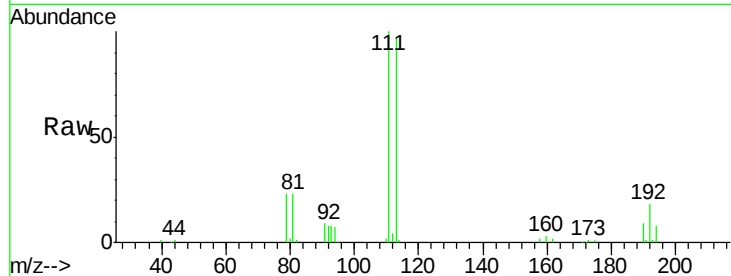
Tot Ion:113 Resp: 149868

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

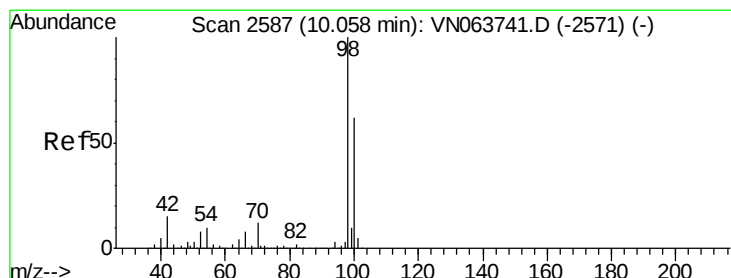
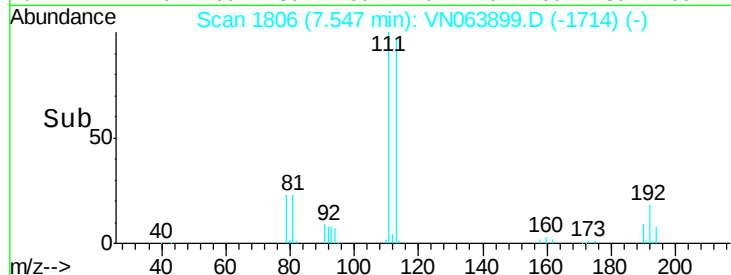
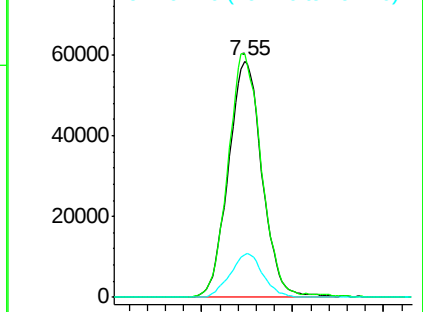
192 17.9 14.2 21.2



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: 48.045 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063899.D

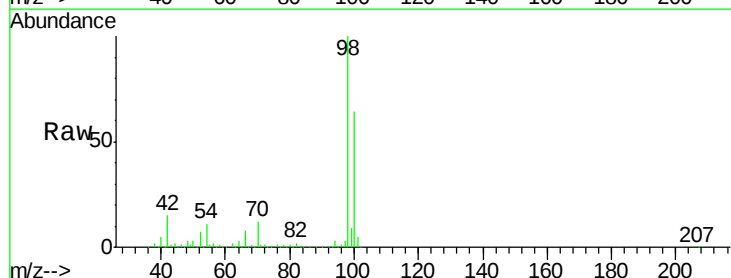
Acq: 6 Oct 2020 17:32

Tgt Ion: 98 Resp: 549747

Ion Ratio Lower Upper

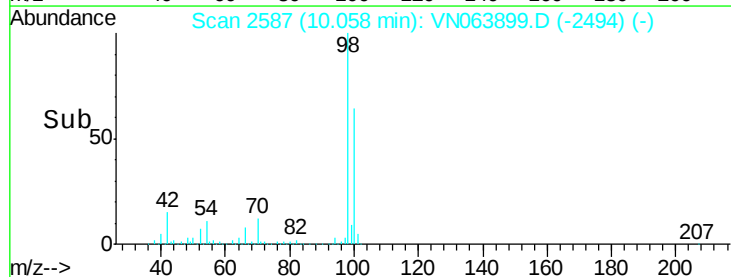
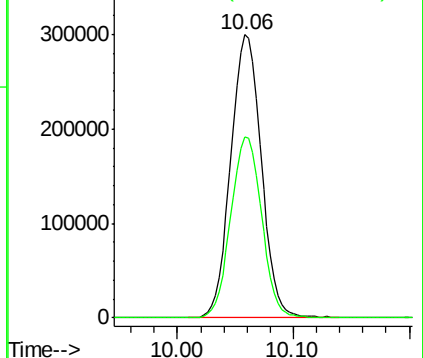
98 100

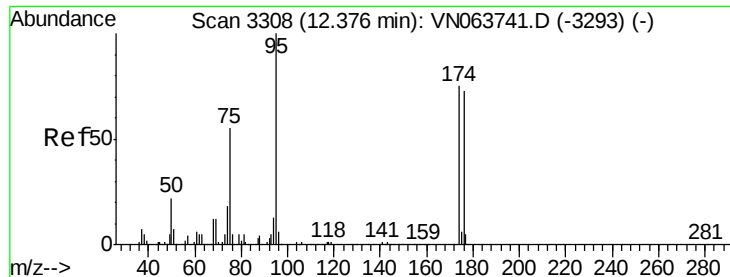
100 64.8 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.216 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100120

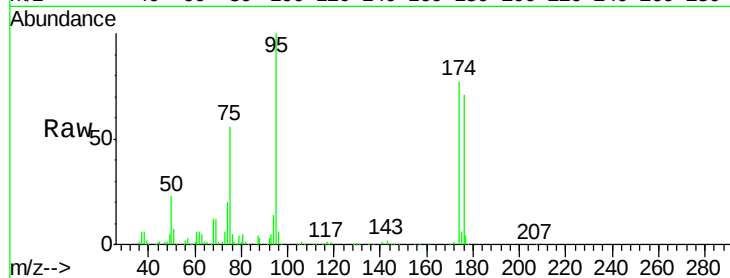
Tot Ion: 95 Resp: 215996

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.6

176 70.7 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)

12.38

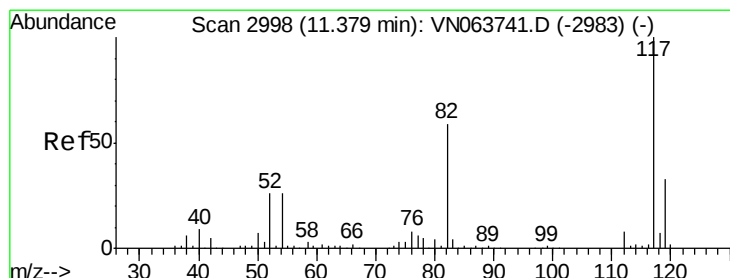
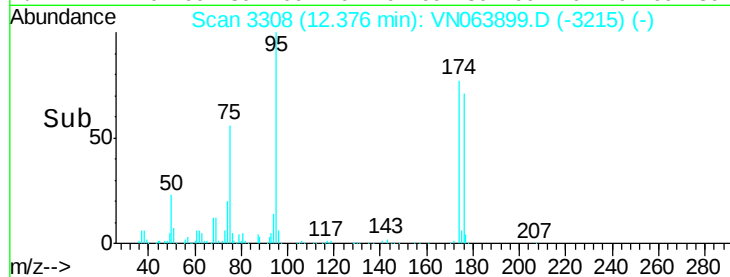
100000

50000

0

12.30 12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

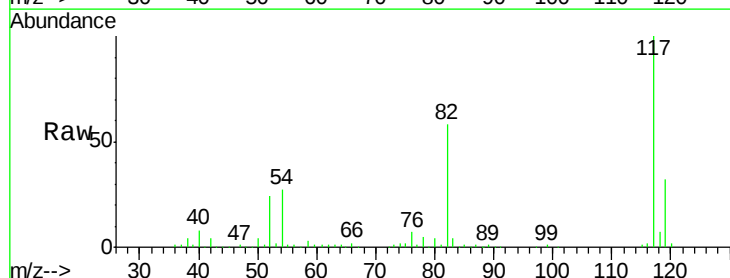
Tgt Ion: 117 Resp: 447461

Ion Ratio Lower Upper

117 100

82 58.4 47.4 71.2

119 32.1 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)

11.38

300000

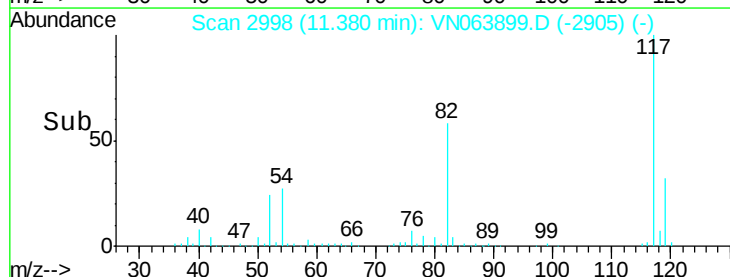
200000

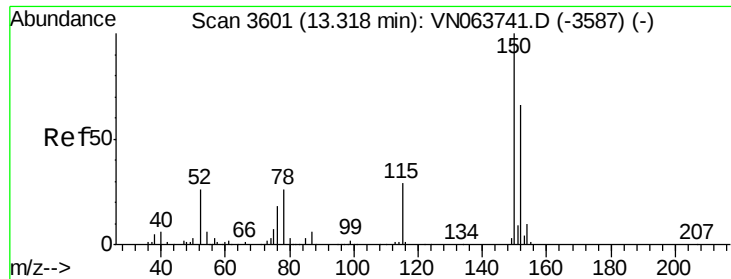
100000

0

11.30 11.40 11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063899.D

Acq: 6 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

TR-05-100120

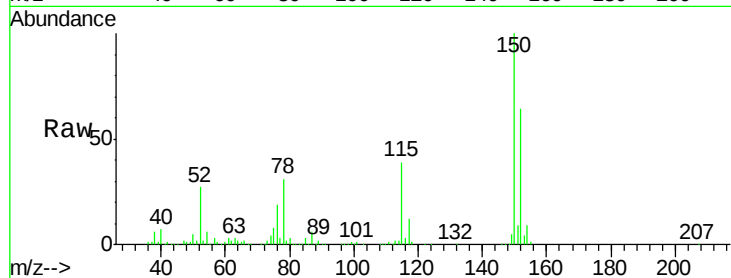
Tot Ion:152 Resp: 186261

Ion Ratio Lower Upper

152 100

115 62.9 31.3 93.8

150 155.4 0.0 341.8



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

