

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064733.D
 Acq On : 19 Nov 2020 15:13
 Operator : JC/MD
 Sample : L4783-19DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DDL

Quant Time: Nov 20 04:47:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

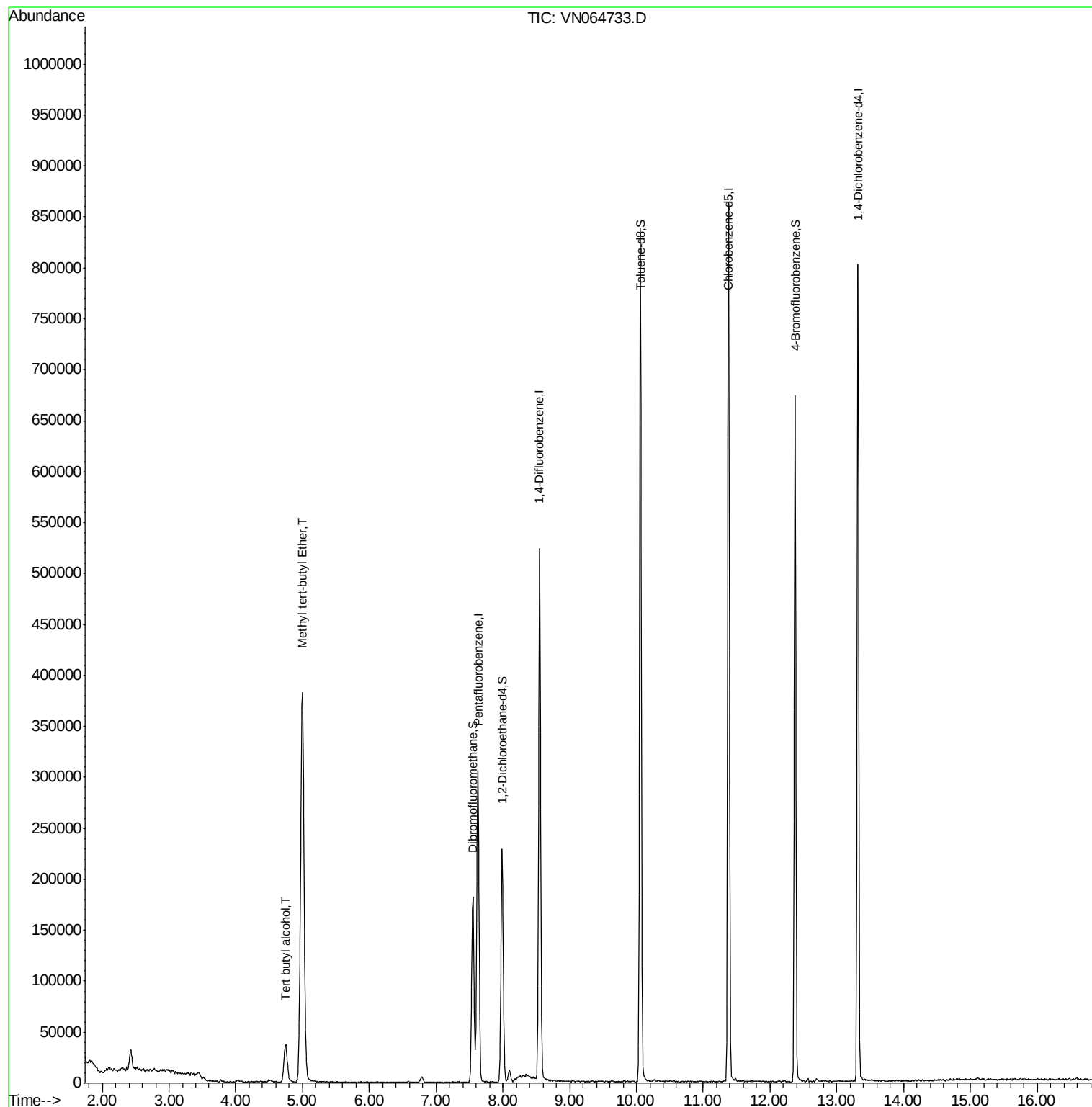
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	214163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	427199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	451847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191026	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	211121	56.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.08%	
35) Dibromofluoromethane	7.55	113	133887	55.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.12%	
50) Toluene-d8	10.06	98	552726	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.38	95	219431	53.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.24%	
Target Compounds						
11) Tert butyl alcohol	4.75	59	60230	164.785	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	616382	80.004	ug/l	99

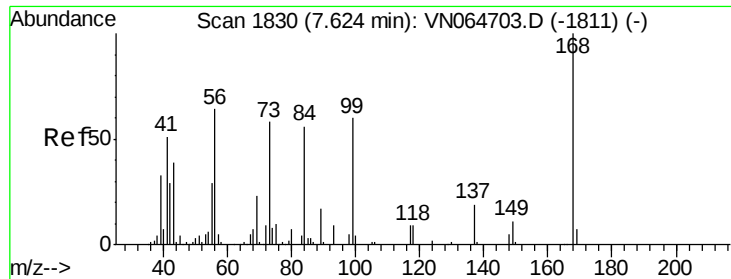
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064733.D

Acq: 19 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampled :

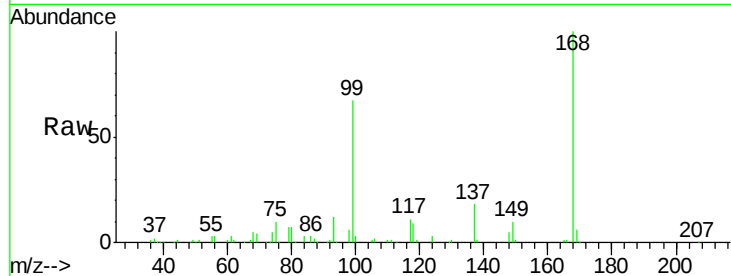
MW-1DDL

Tot Ion:168 Resp: 214163

Ion Ratio Lower Upper

168 100

99 67.4 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

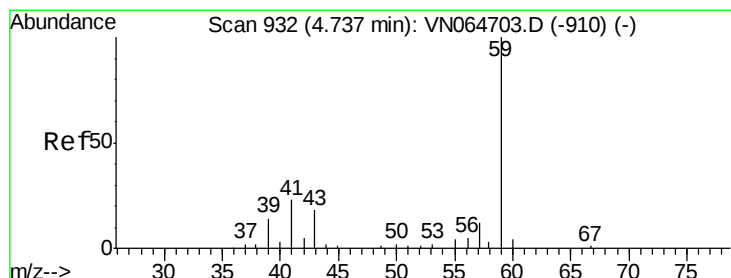
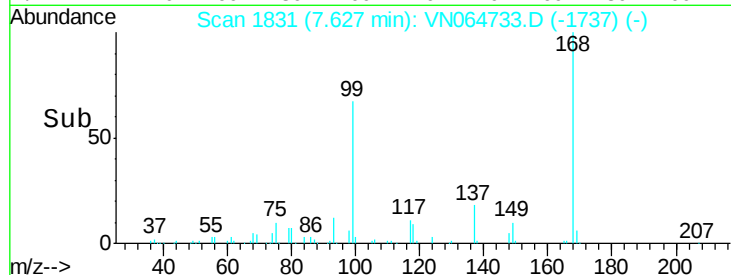
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 164.785 ug/l

RT: 4.75 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN064733.D

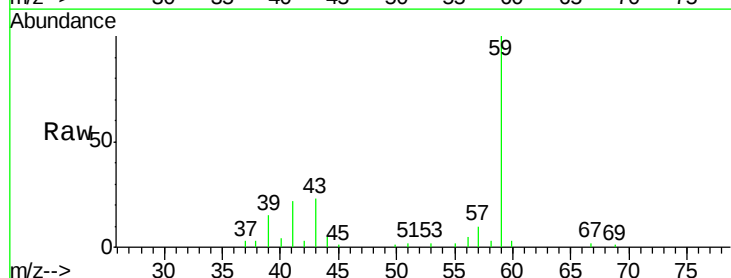
Acq: 19 Nov 2020 15:13

Tgt Ion: 59 Resp: 60230

Ion Ratio Lower Upper

59 100

57 10.2 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.75

20000

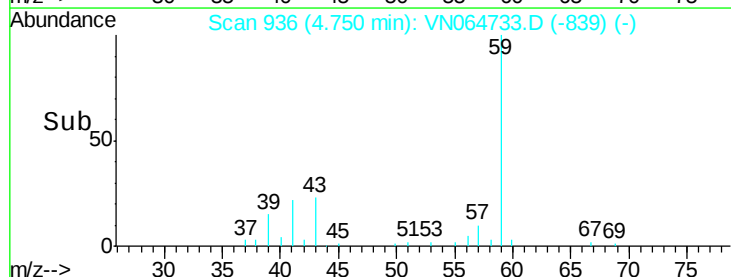
15000

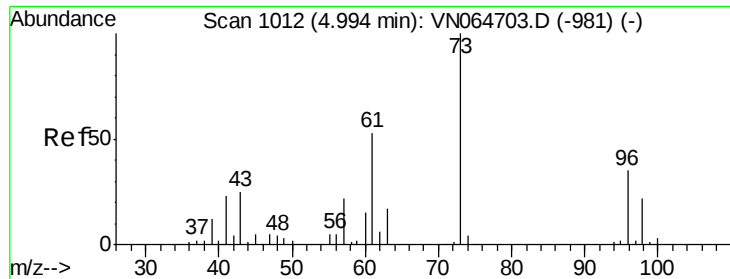
10000

5000

0

Time--> 4.60 4.70 4.80 4.90

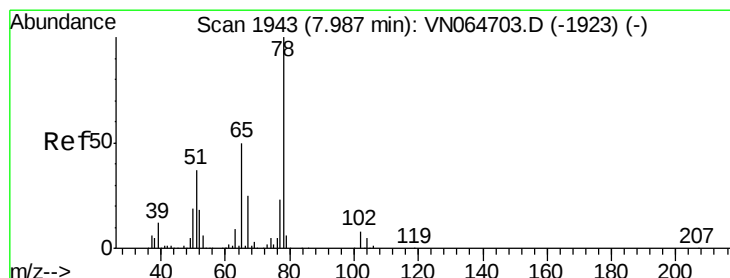
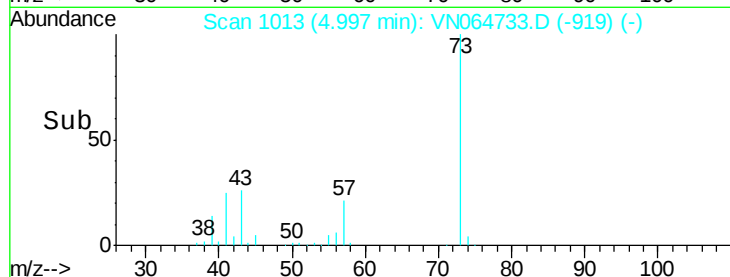
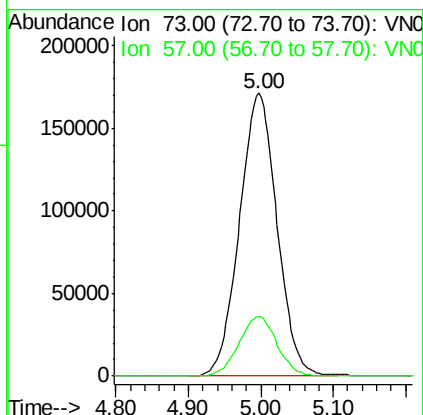
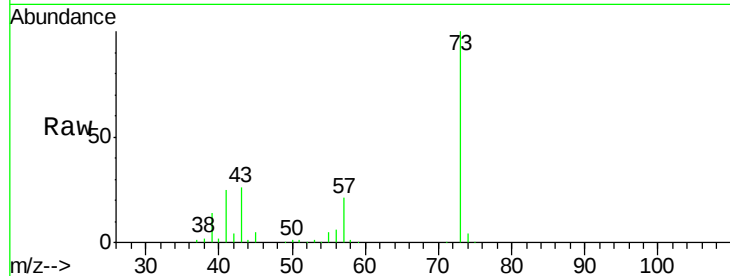




#19
Methvl tert-butvl Ether
Concen: 80.004 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064733.D
Acq: 19 Nov 2020 15:13

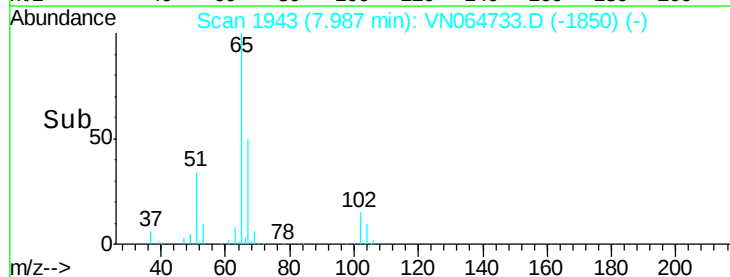
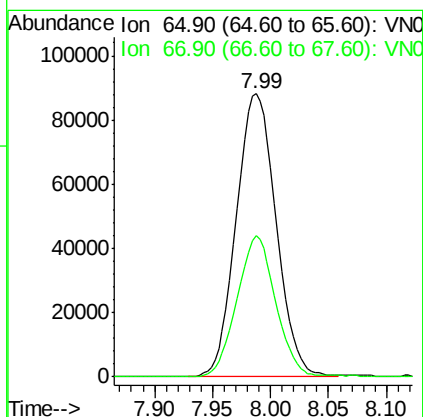
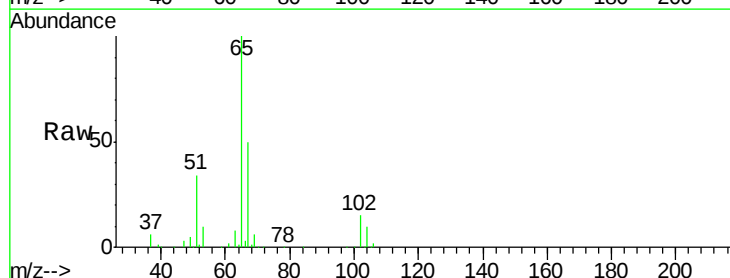
Instrument :
MSVOA_N
ClientSampleId :
MW-1DDL

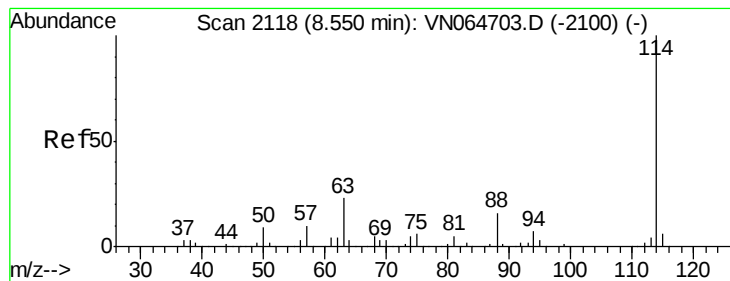
Tot Ion: 73 Resp: 616382
Ion Ratio Lower Upper
73 100
57 21.2 17.3 25.9



#33
1,2-Dichloroethane-d4
Concen: 56.038 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064733.D
Acq: 19 Nov 2020 15:13

Tgt Ion: 65 Resp: 211121
Ion Ratio Lower Upper
65 100
67 48.2 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064733.D

Acq: 19 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampled :

MW-1DDL

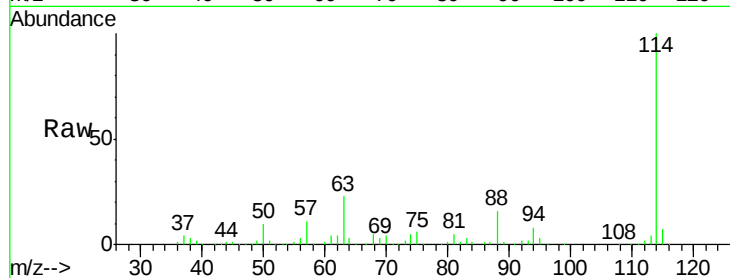
Tot Ion:114 Resp: 427199

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.0

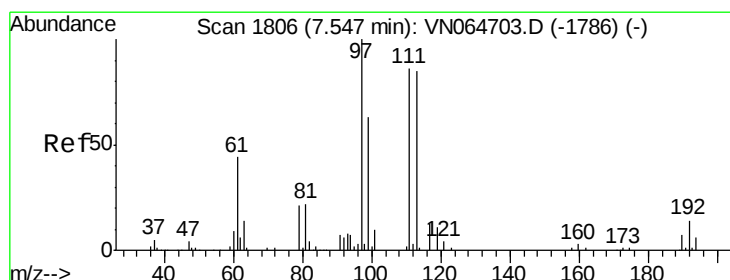
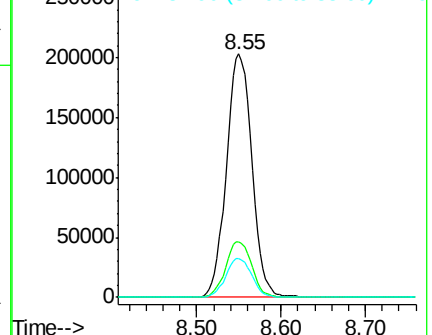
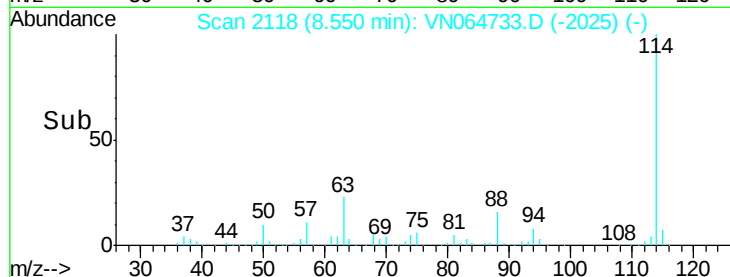
88 16.1 0.0 31.2



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: 55.063 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064733.D

Acq: 19 Nov 2020 15:13

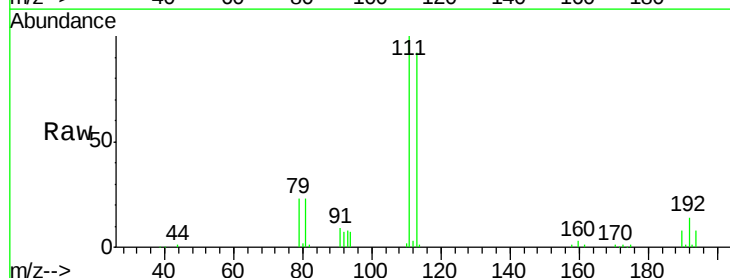
Tgt Ion:113 Resp: 133887

Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

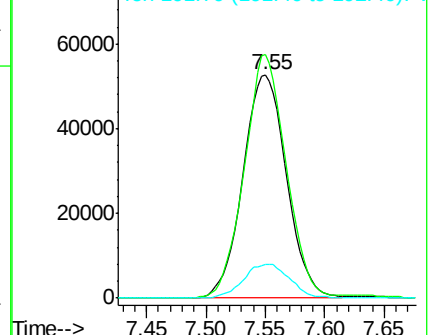
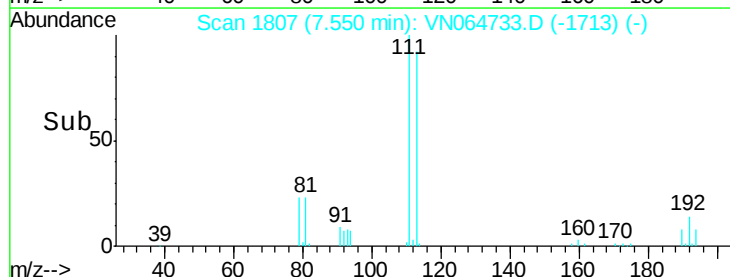
192 16.0 12.7 19.1

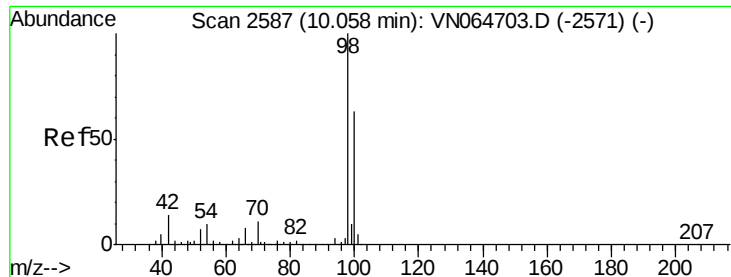


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.017 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064733.D

Acq: 19 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

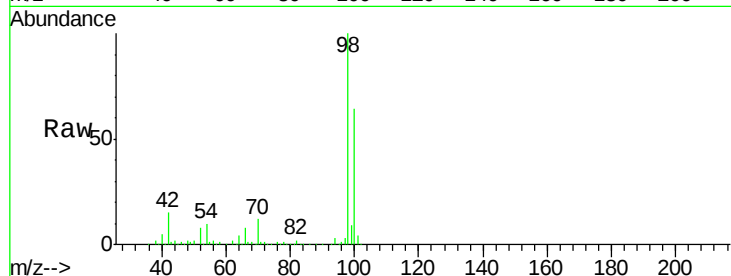
MW-1DDL

Tot Ion: 98 Resp: 552726

Ion Ratio Lower Upper

98 100

100 63.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064733.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064733.D (-2571) (-)

10.06

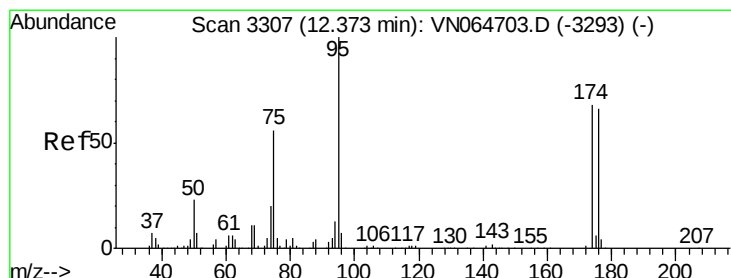
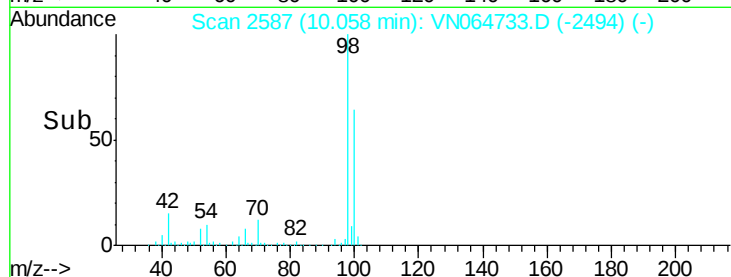
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.124 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064733.D

Acq: 19 Nov 2020 15:13

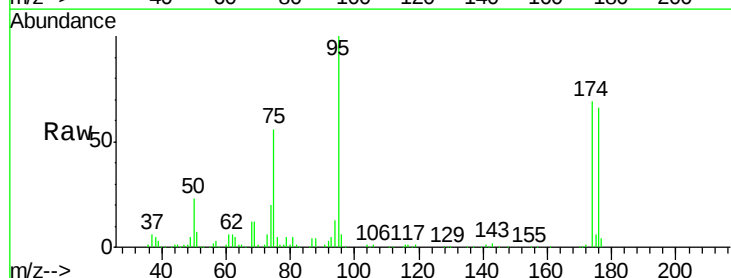
Tgt Ion: 95 Resp: 219431

Ion Ratio Lower Upper

95 100

174 69.3 0.0 136.8

176 66.5 0.0 134.2



Abundance Ion 94.90 (94.60 to 95.60): VN064733.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064733.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064733.D (-3293) (-)

12.38

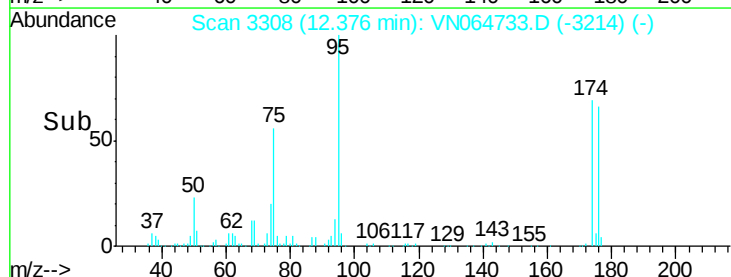
150000

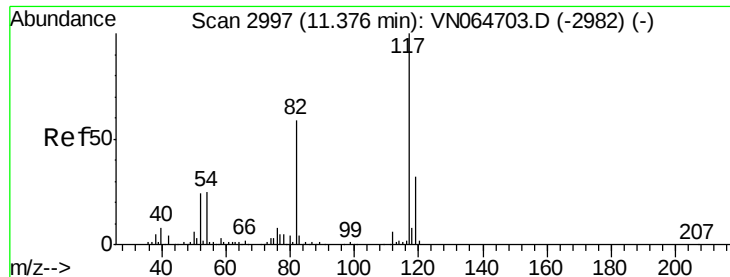
100000

50000

0

Time-->

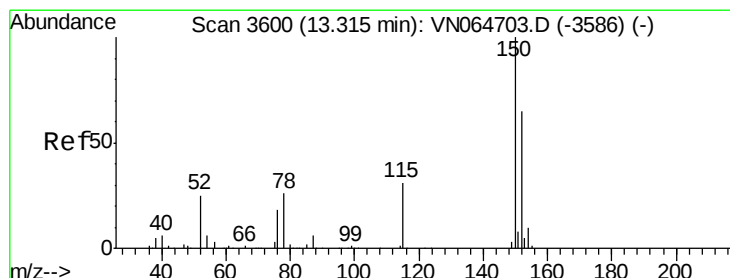
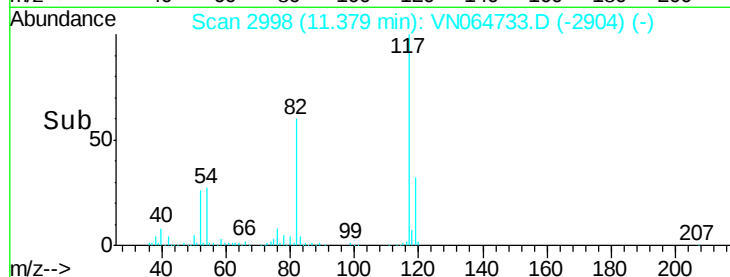
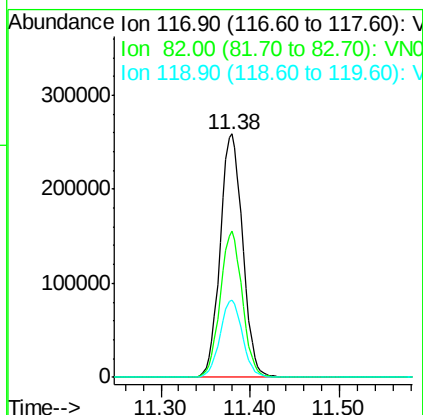
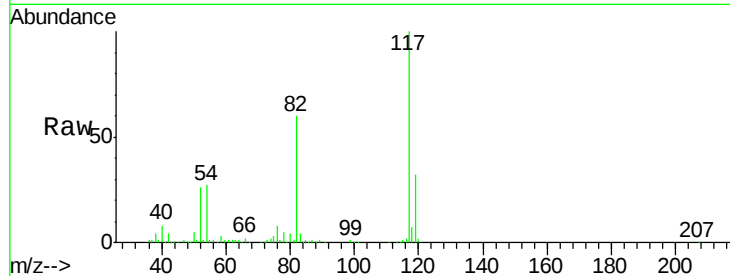




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064733.D
Acq: 19 Nov 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
MW-1DDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.0	70.6
119	32.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064733.D
Acq: 19 Nov 2020 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	32.1	96.3
150	155.1	0.0	344.8

