

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064683.D
 Acq On : 17 Nov 2020 16:19
 Operator : JC/MD
 Sample : L4772-02DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4DL

Quant Time: Nov 18 05:34:05 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

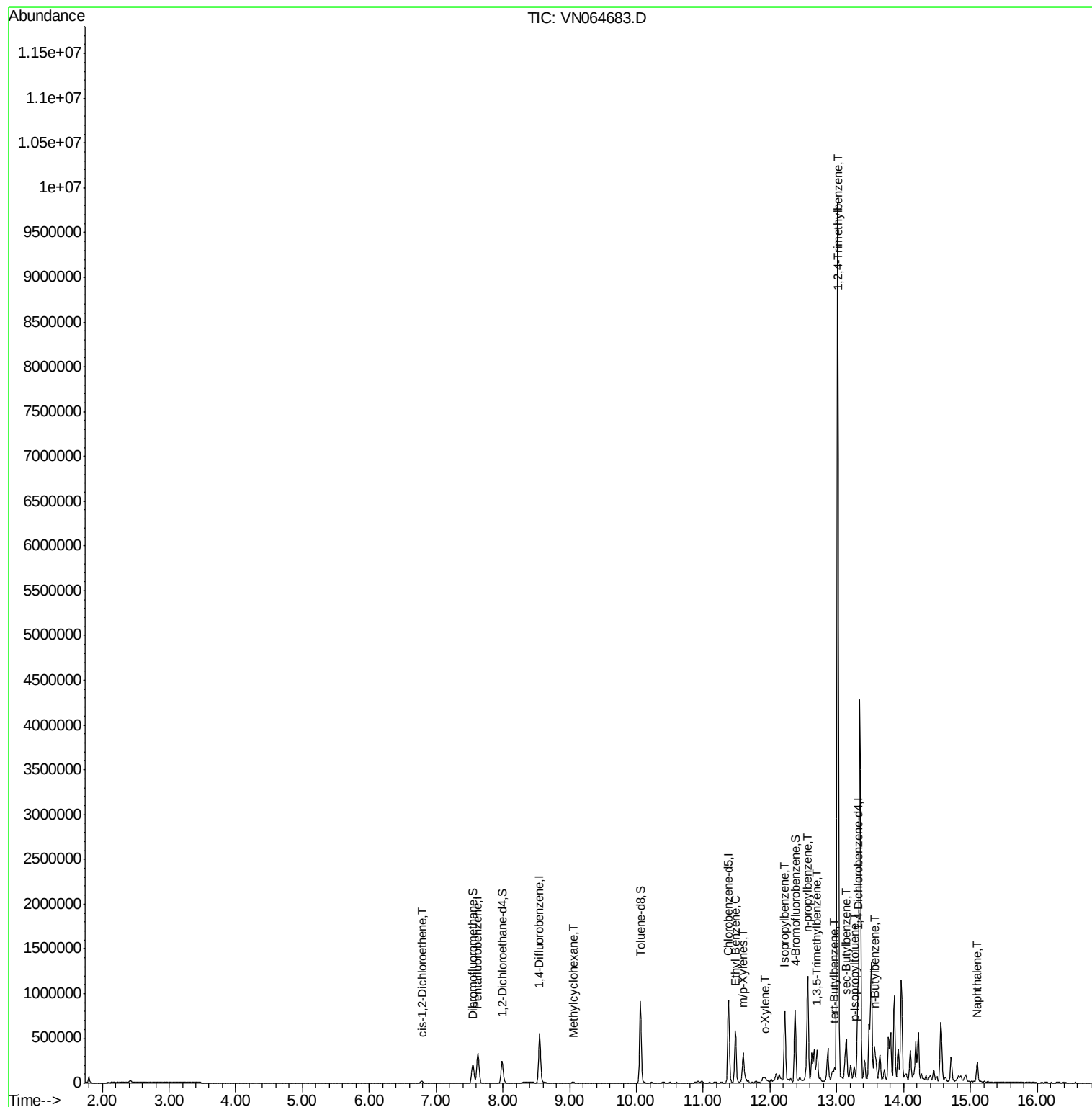
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	231961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	464305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	493460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	248376	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	223740	55.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.76%	
35) Dibromofluoromethane	7.55	113	161166	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
50) Toluene-d8	10.06	98	610554	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.38	95	266645	57.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.40%	
Target Compounds						
					Qvalue	
27) cis-1,2-Dichloroethene	6.78	96	7695	2.358	ug/l	85
39) Methylcyclohexane	9.05	83	3476	0.791	ug/l #	70
67) Ethyl Benzene	11.48	91	397314	20.648	ug/l	100
68) m/p-Xylenes	11.60	106	94622	13.559	ug/l	99
69) o-Xylene	11.92	106	8972	1.331	ug/l	67
73) Isopropylbenzene	12.22	105	484089	24.521	ug/l	99
78) n-propylbenzene	12.57	91	899185	39.951	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	156430	9.605	ug/l	96
83) tert-Butylbenzene	12.96	119	60116	4.726	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	5201077	317.676	ug/l	95
85) sec-Butylbenzene	13.14	105	270103	16.767	ug/l #	77
86) p-Isopropyltoluene	13.26	119	74264	5.125	ug/l	98
89) n-Butylbenzene	13.59	91	138833	11.144	ug/l #	77
95) Naphthalene	15.10	128	188908	16.485	ug/l	99

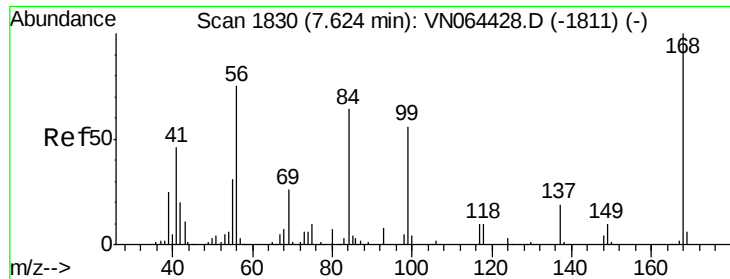
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064683.D

Acq: 17 Nov 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

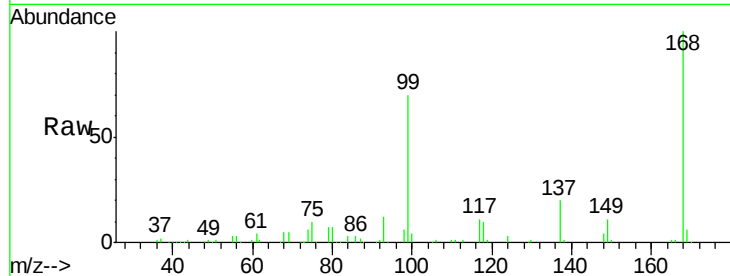
MW-4DL

Tot Ion:168 Resp: 231961

Ion Ratio Lower Upper

168 100

99 69.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

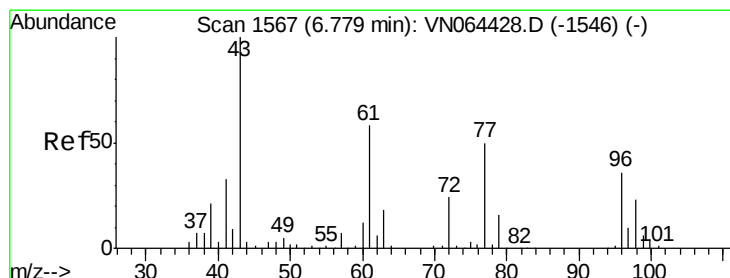
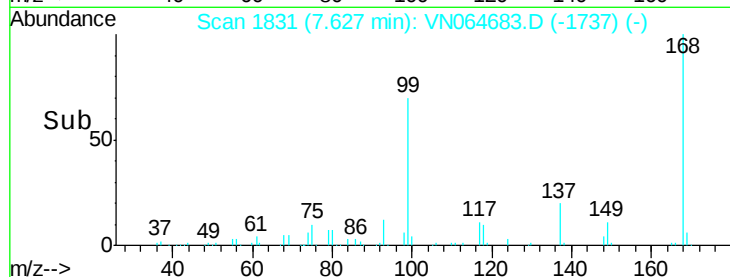
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#27

cis-1,2-Dichloroethene

Concen: 2.358 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

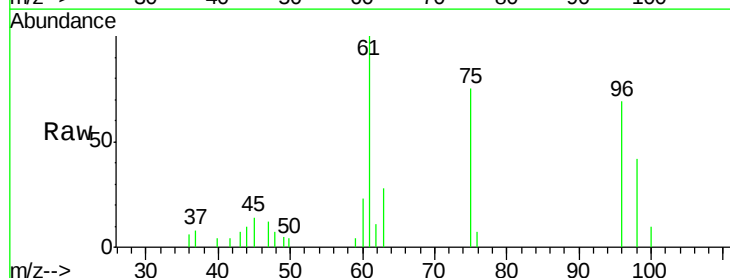
Tgt Ion: 96 Resp: 7695

Ion Ratio Lower Upper

96 100

61 162.3 0.0 329.6

98 27.8 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

5000

4000

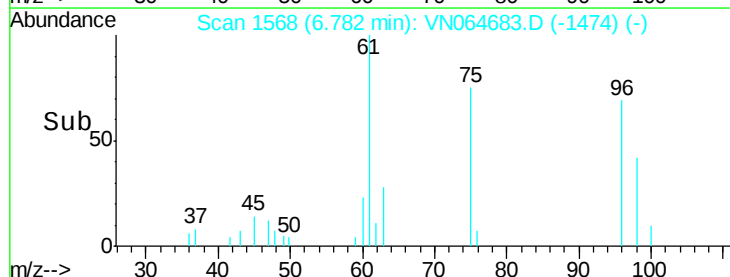
3000

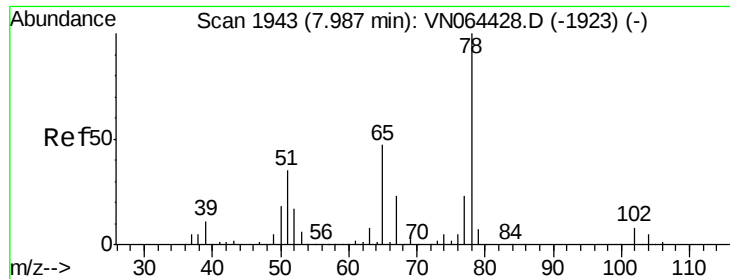
2000

1000

0

Time--> 6.70 6.75 6.80 6.85





#33

1,2-Dichloroethane-d4

Concen: 55.376 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

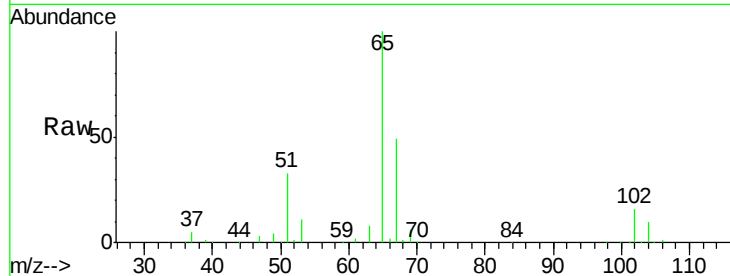
MW-4DL

Tot Ion: 65 Resp: 223740

Ion Ratio Lower Upper

65 100

67 48.9 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064428.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064428.D (-1923) (-)

7.99

100000

80000

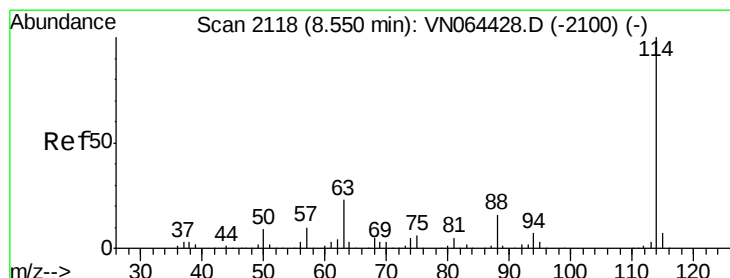
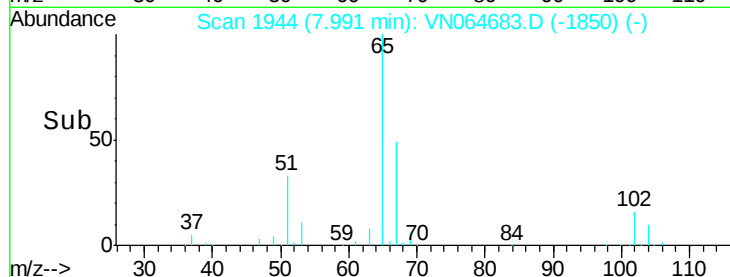
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

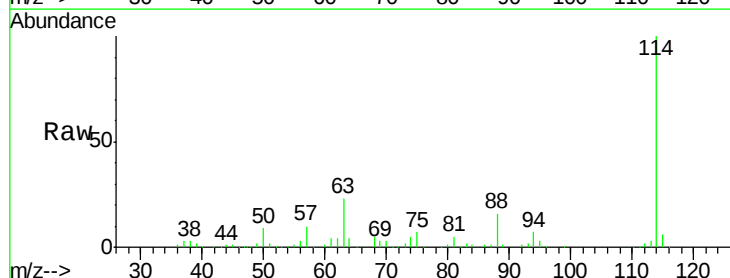
Tgt Ion: 114 Resp: 464305

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

88 16.1 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064428.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064428.D (-2100) (-)

8.55

300000

250000

200000

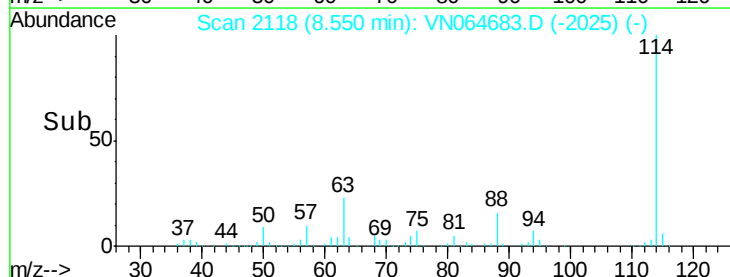
150000

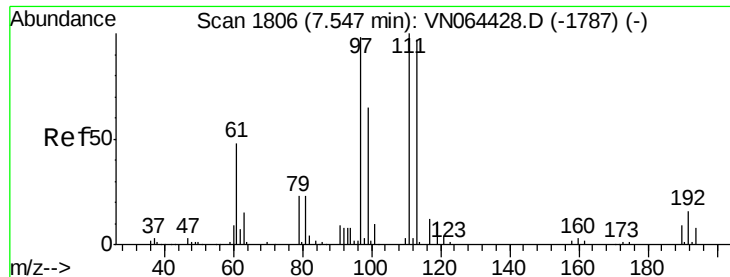
100000

50000

0

Time-->

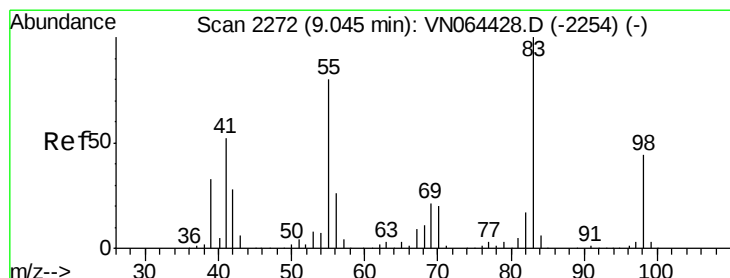
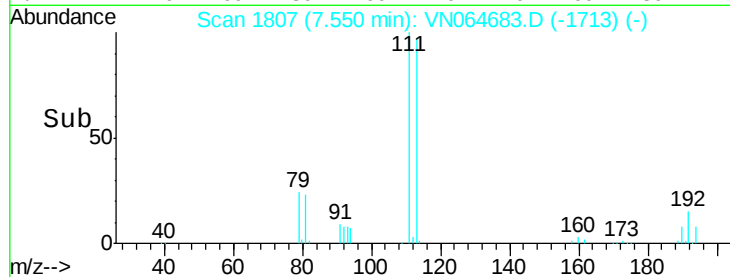
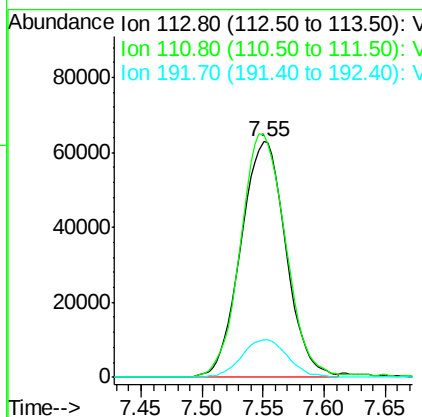
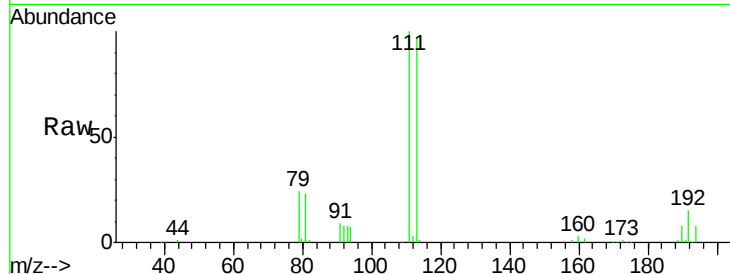




#35
Dibromofluoromethane
Concen: 50.981 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

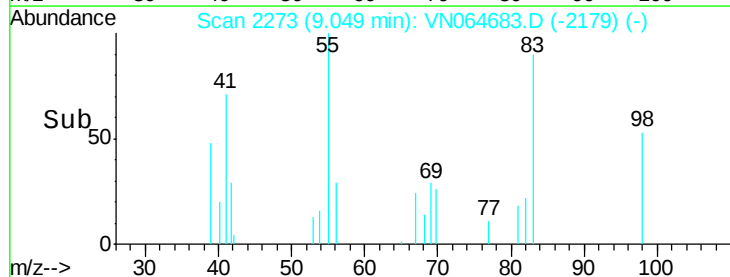
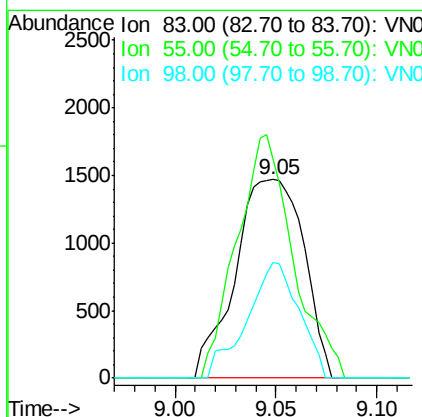
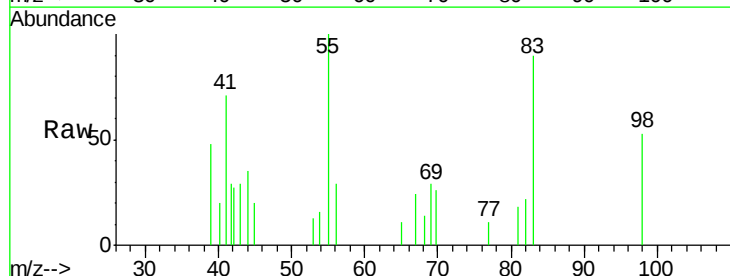
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

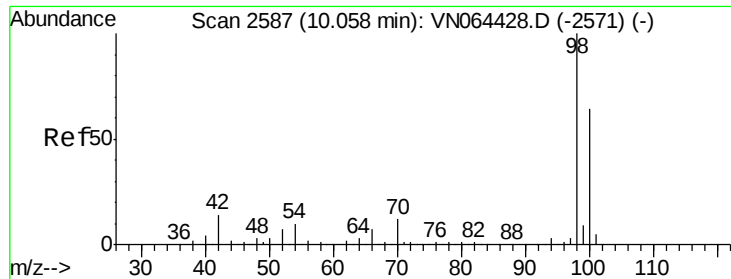
Tot Ion:113 Resp: 161166
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 16.4 12.8 19.2



#39
Methylcyclohexane
Concen: 0.791 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

Tgt Ion: 83 Resp: 3476
Ion Ratio Lower Upper
83 100
55 110.6 63.8 95.6#
98 58.2 35.4 53.2#





#50

Toluene-d8

Concen: 49.970 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

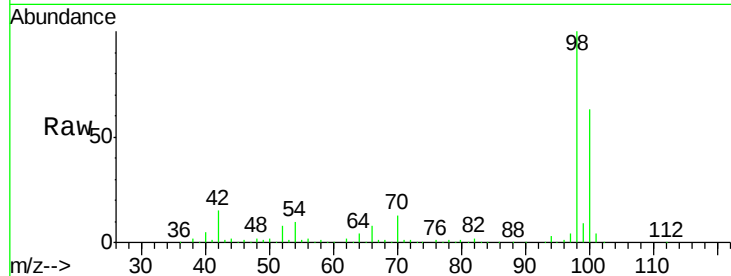
MW-4DL

Tot Ion: 98 Resp: 610554

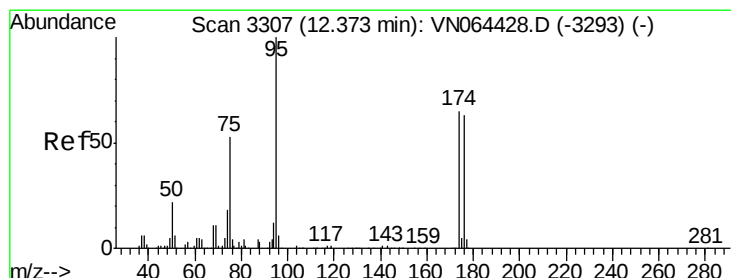
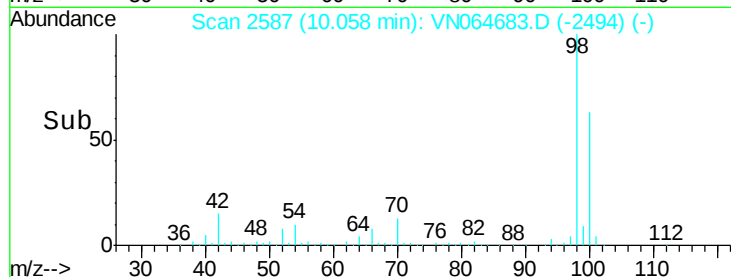
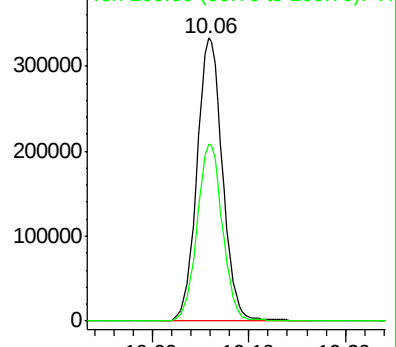
Ion Ratio Lower Upper

98 100

100 62.0 50.7 76.1



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



#62

4-Bromofluorobenzene

Concen: 57.705 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

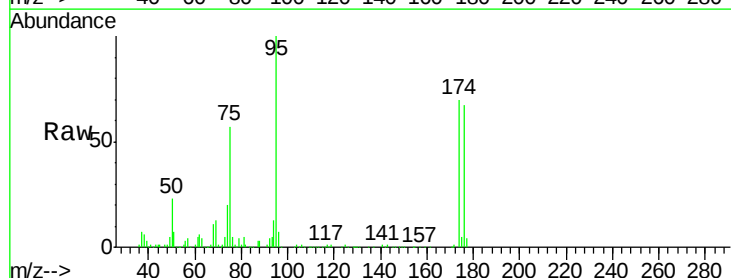
Tgt Ion: 95 Resp: 266645

Ion Ratio Lower Upper

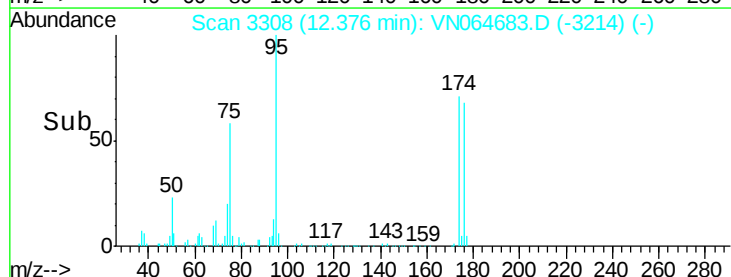
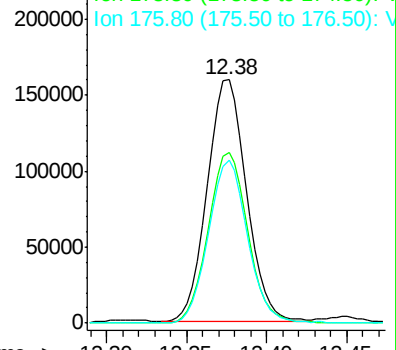
95 100

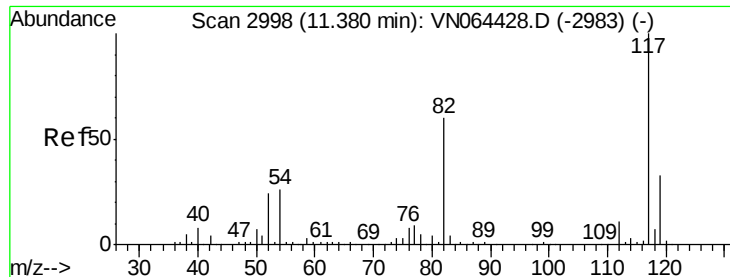
174 71.2 0.0 132.6

176 67.1 0.0 129.2



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

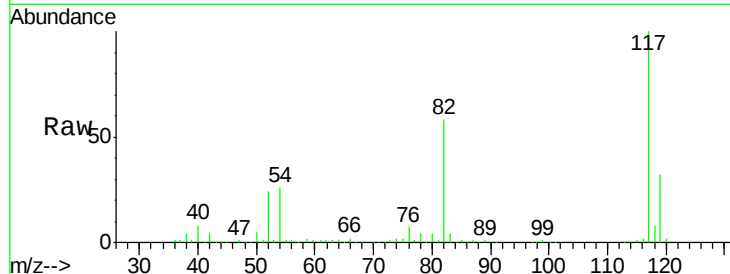




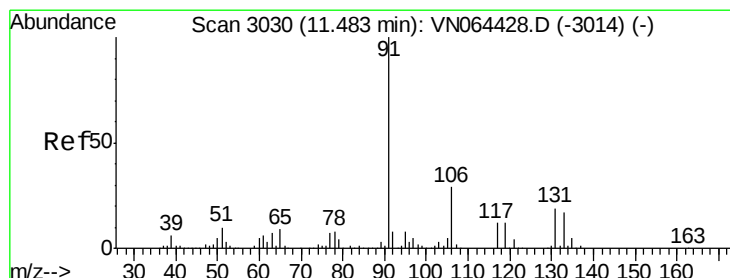
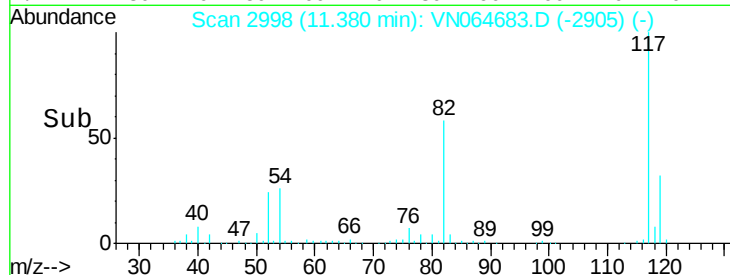
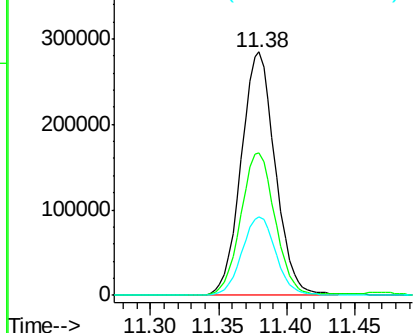
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

Instrument :
MSVOA_N
ClientSampled :
MW-4DL

Tot Ion:117 Resp: 493460
Ion Ratio Lower Upper
117 100
82 58.4 48.1 72.1
119 32.3 26.2 39.4

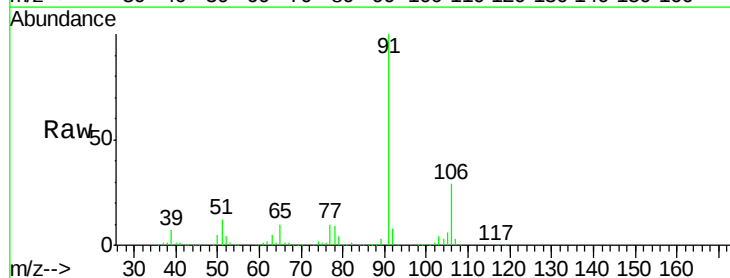


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

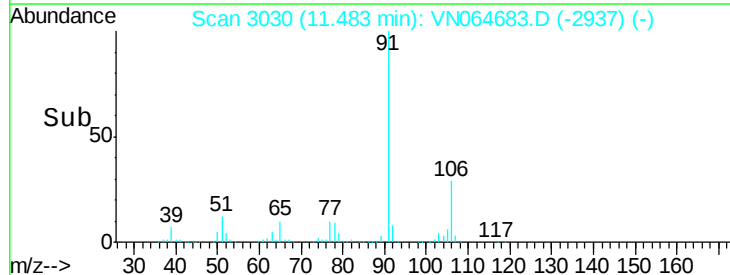
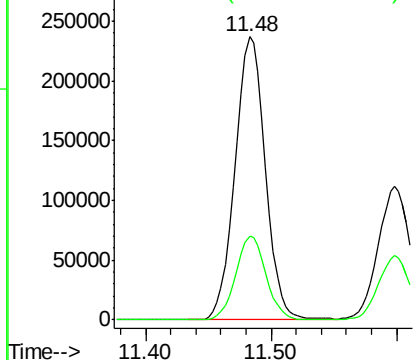


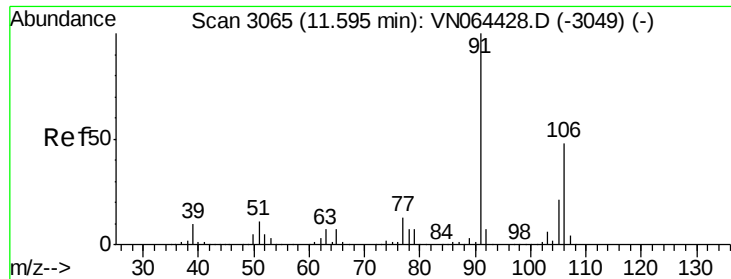
#67
Ethyl Benzene
Concen: 20.648 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

Tgt Ion: 91 Resp: 397314
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

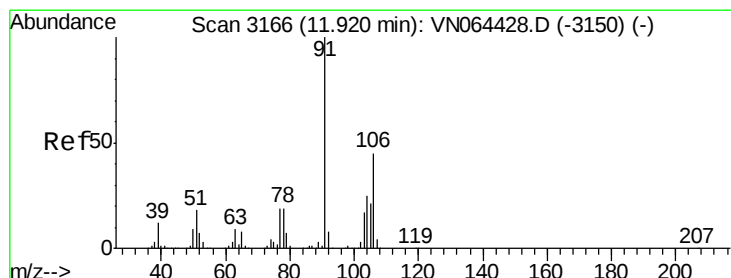
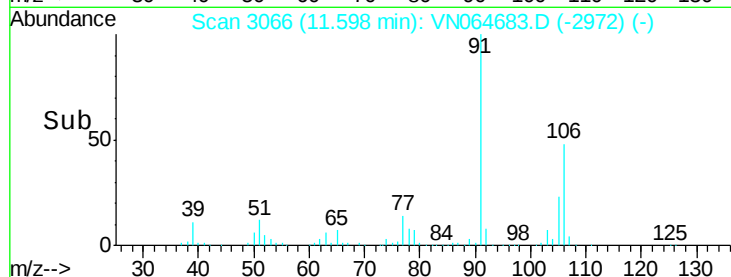
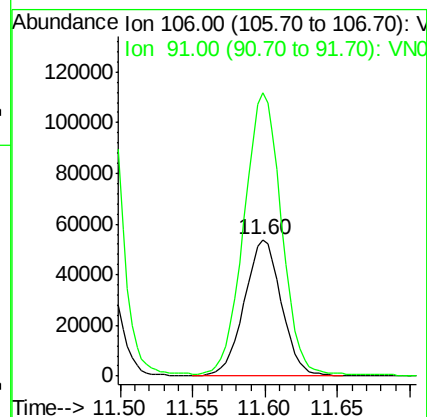
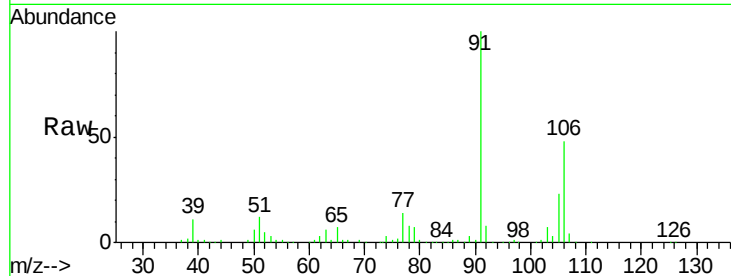




#68
m/p-Xylenes
Concen: 13.559 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

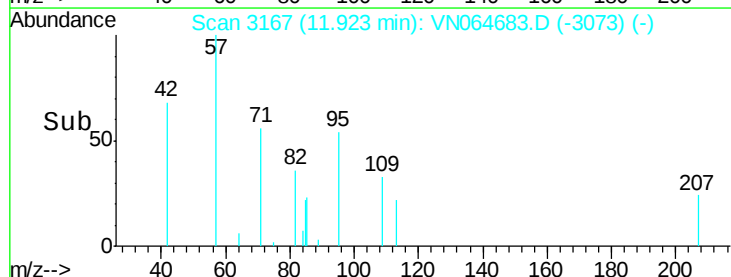
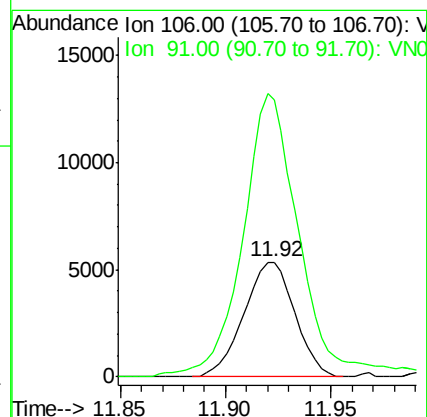
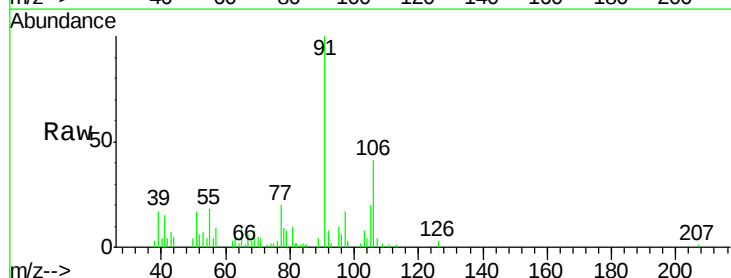
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

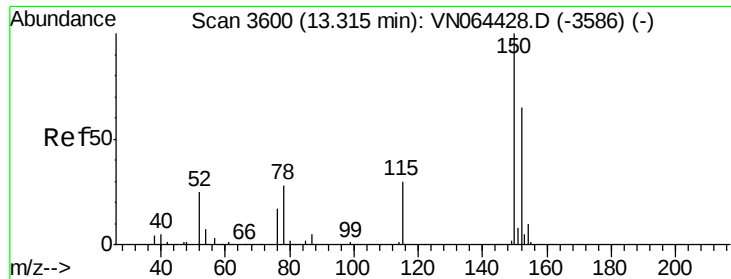
Tot Ion:106 Resp: 94622
Ion Ratio Lower Upper
106 100
91 210.6 169.4 254.2



#69
o-Xylene
Concen: 1.331 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

Tgt Ion:106 Resp: 8972
Ion Ratio Lower Upper
106 100
91 276.1 111.7 334.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

MW-4DL

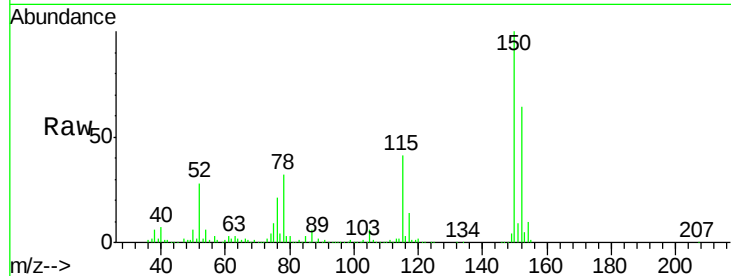
Tot Ion:152 Resp: 248376

Ion Ratio Lower Upper

152 100

115 64.8 32.0 96.0

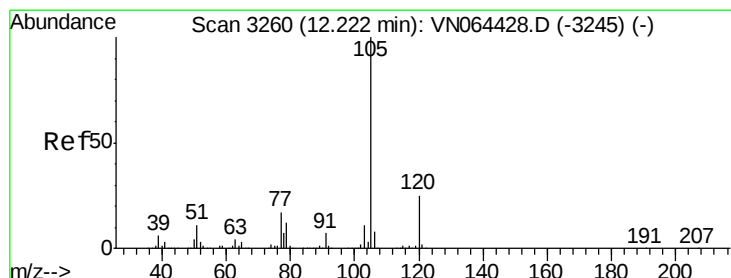
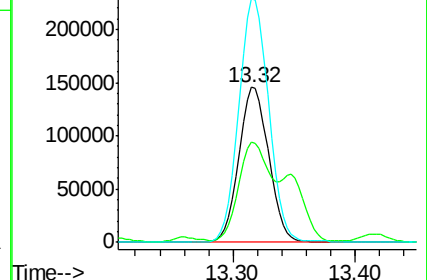
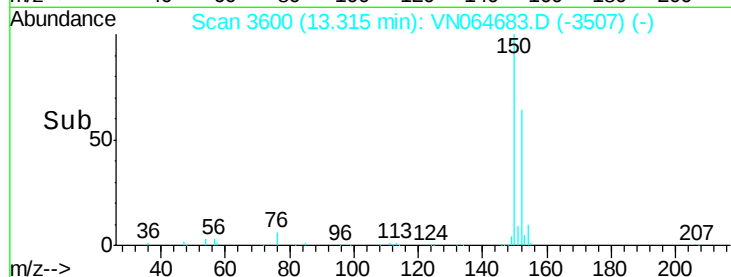
150 157.1 0.0 353.8



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



#73

Isopropylbenzene

Concen: 24.521 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064683.D

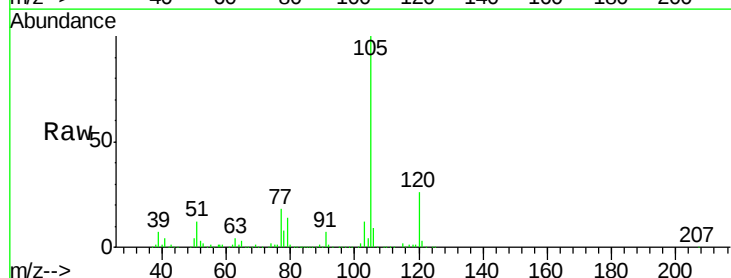
Acq: 17 Nov 2020 16:19

Tgt Ion:105 Resp: 484089

Ion Ratio Lower Upper

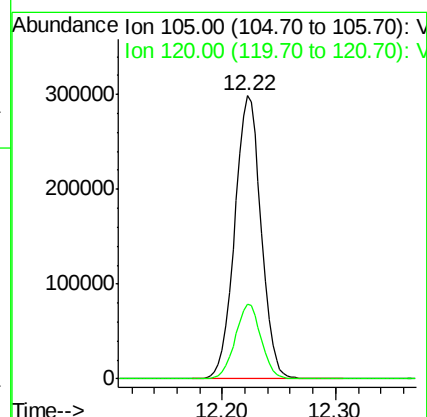
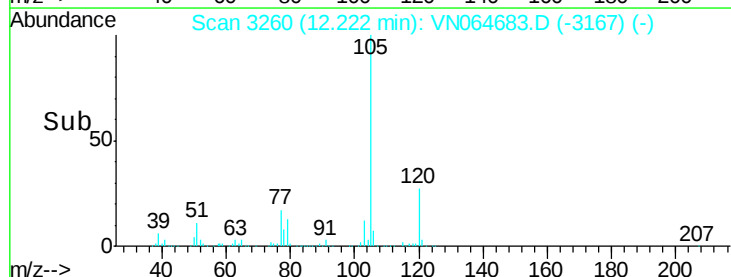
105 100

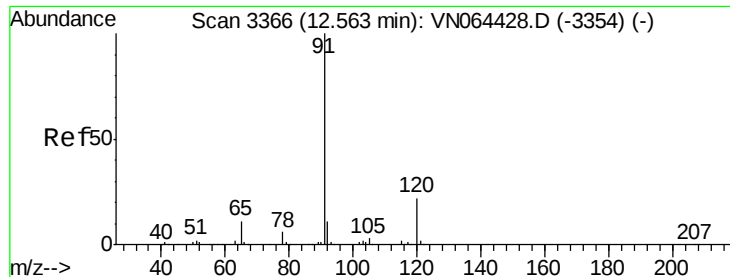
120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 39.951 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

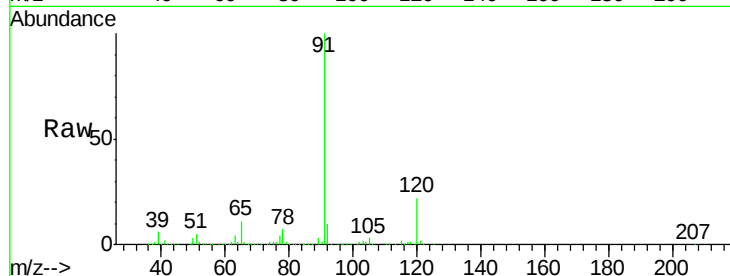
MW-4DL

Tot Ion: 91 Resp: 899185

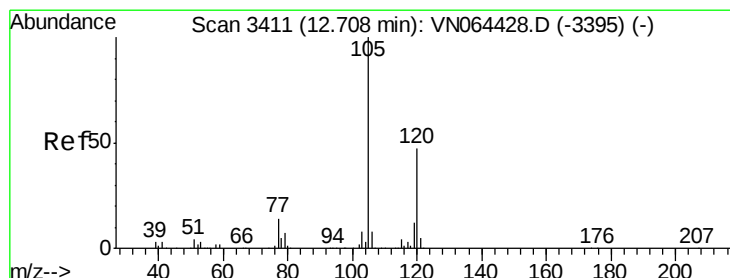
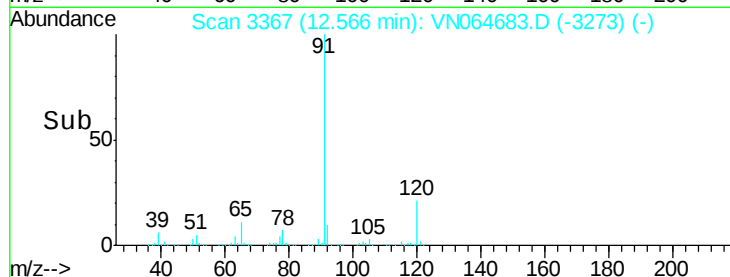
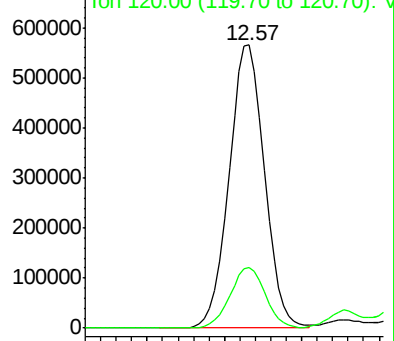
Ion Ratio Lower Upper

91 100

120 21.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3354) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.605 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064683.D

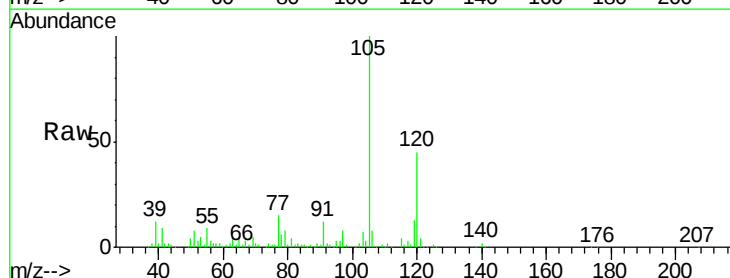
Acq: 17 Nov 2020 16:19

Tgt Ion: 105 Resp: 156430

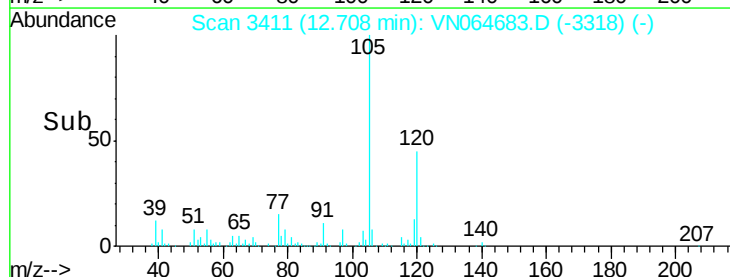
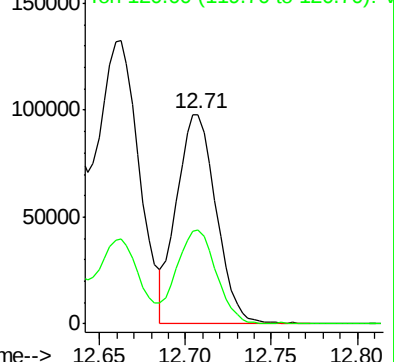
Ion Ratio Lower Upper

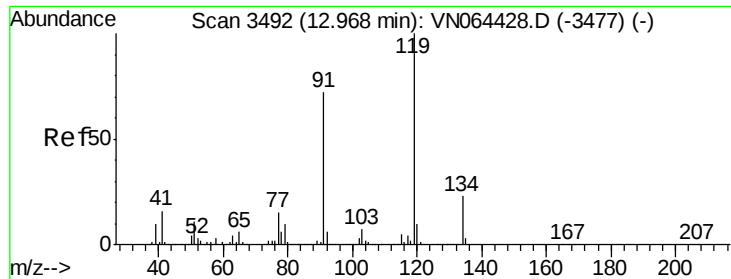
105 100

120 44.3 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)

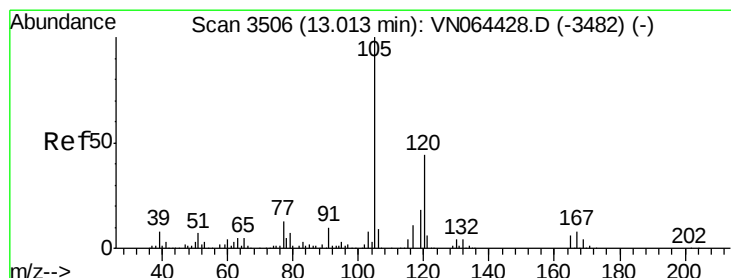
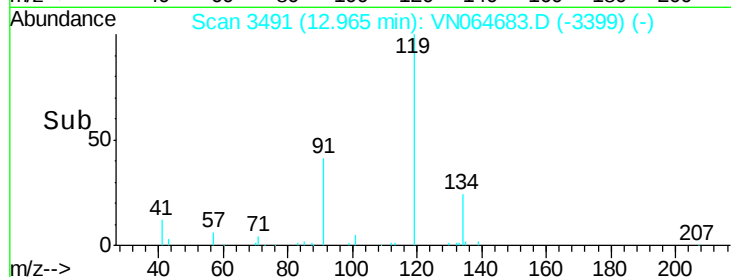
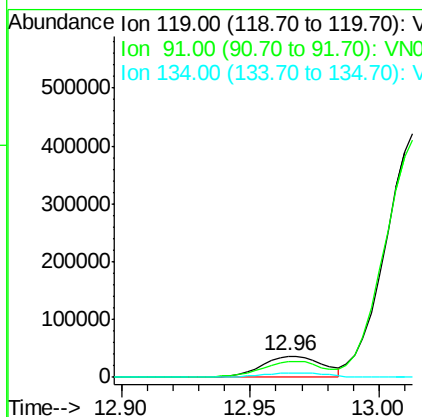
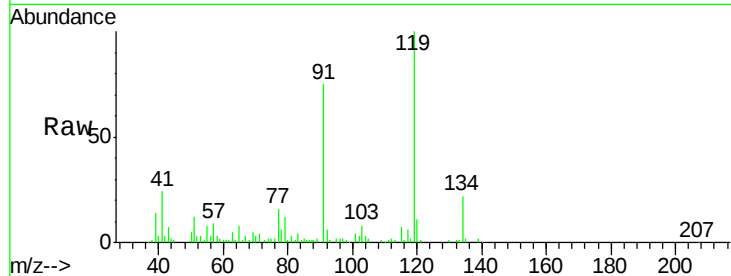




#83
tert-Butylbenzene
Concen: 4.726 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

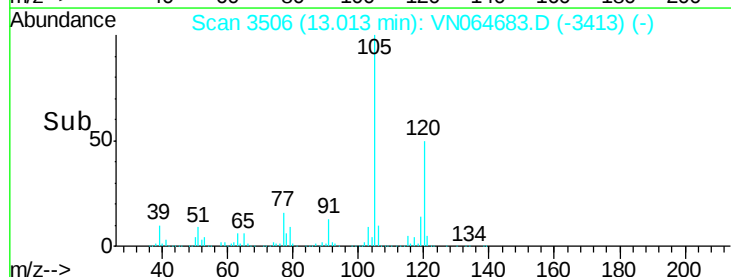
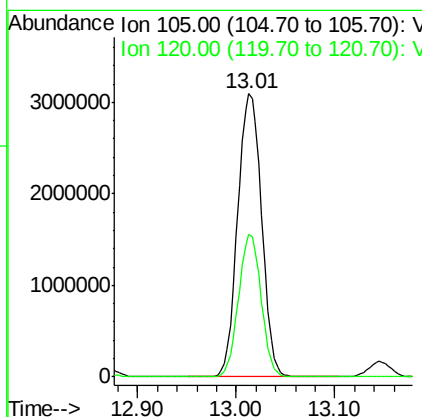
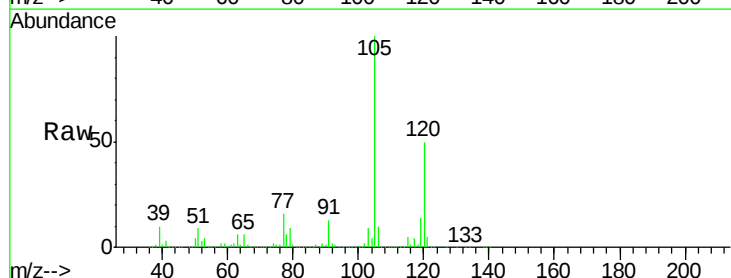
Instrument :
MSVOA_N
ClientSampled :
MW-4DL

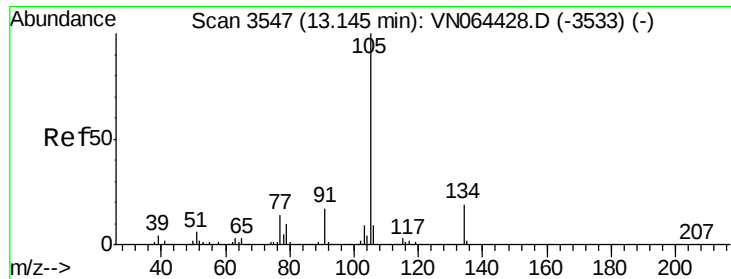
Tot Ion:119 Resp: 60116
Ion Ratio Lower Upper
119 100
91 70.2 36.1 108.3
134 24.0 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 317.676 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

Tgt Ion:105 Resp: 5201077
Ion Ratio Lower Upper
105 100
120 47.3 21.9 65.7





#85

sec-Butylbenzene

Concen: 16.767 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

Instrument :

MSVOA_N

ClientSampled :

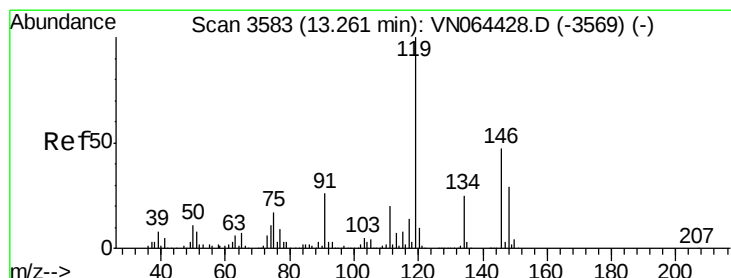
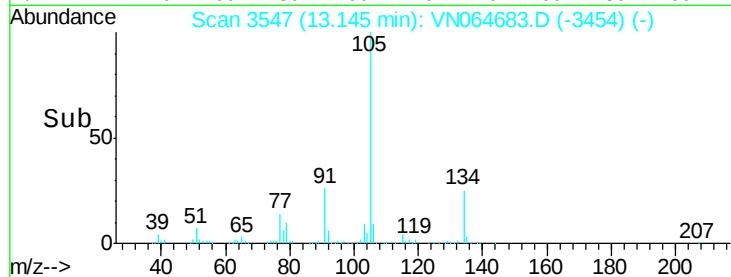
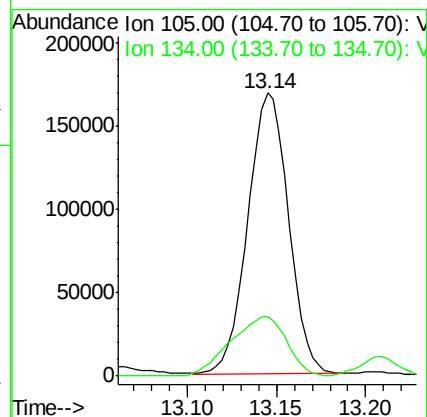
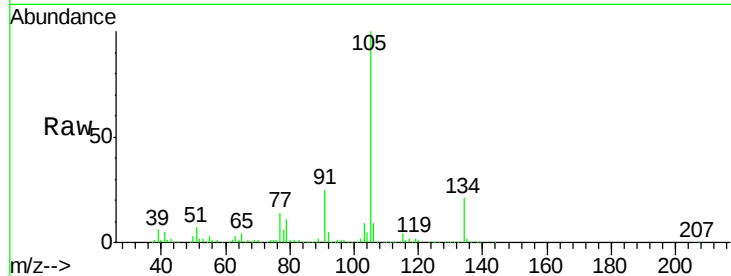
MW-4DL

Tot Ion:105 Resp: 270103

Ion Ratio Lower Upper

105 100

134 29.1 9.4 28.2#



#86

p-Isopropyltoluene

Concen: 5.125 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064683.D

Acq: 17 Nov 2020 16:19

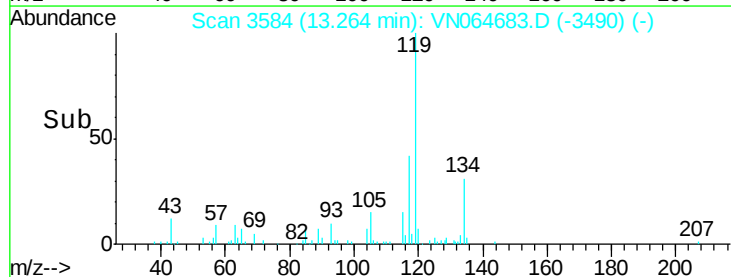
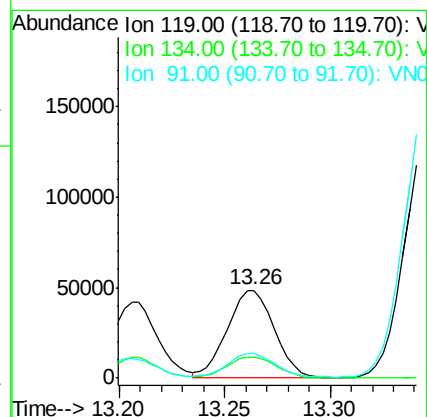
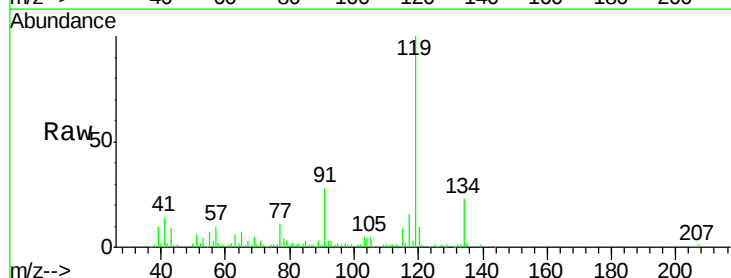
Tgt Ion:119 Resp: 74264

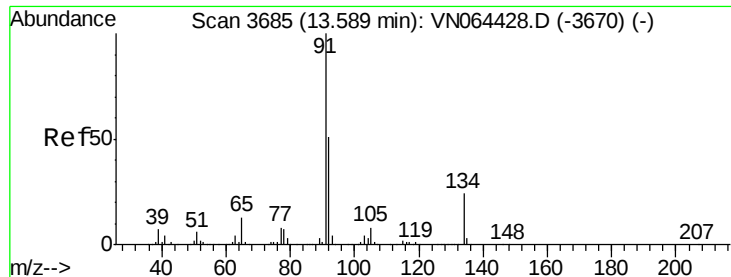
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

91 26.7 12.8 38.3

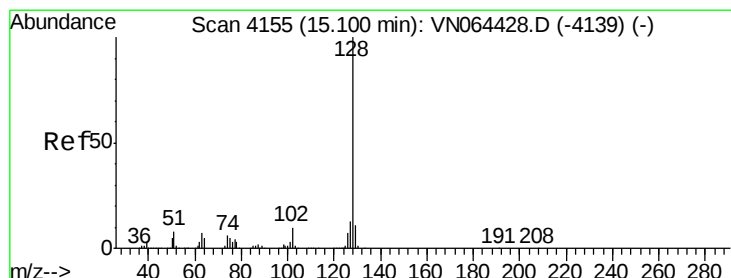
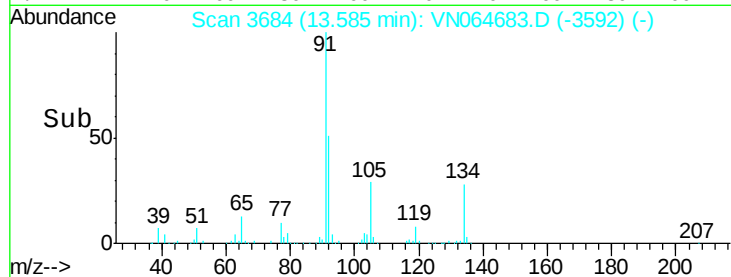
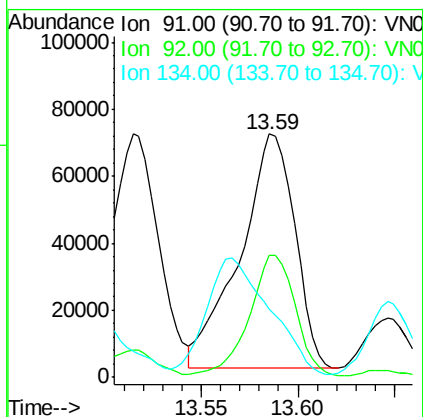
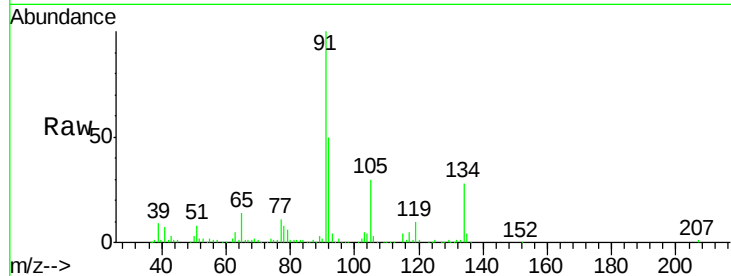




#89
n-Butylbenzene
Concen: 11.144 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

Instrument :
MSVOA_N
ClientSampled :
MW-4DL

Tot Ion: 91 Resp: 138833
Ion Ratio Lower Upper
91 100
92 42.5 25.3 75.9
134 0.0 11.8 35.4#



#95
Naphthalene
Concen: 16.485 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064683.D
Acq: 17 Nov 2020 16:19

Tgt Ion: 128 Resp: 188908
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 11.1 8.8 13.2

