

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063603.D
 Acq On : 23 Sep 2020 20:54
 Operator : JC/MD
 Sample : L4083-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20200917

Quant Time: Sep 24 13:16:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	198366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	370052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	380190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	156678	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	170788	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
35) Dibromofluoromethane	7.55	113	122543	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	10.06	98	480653	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.38	95	185683	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	

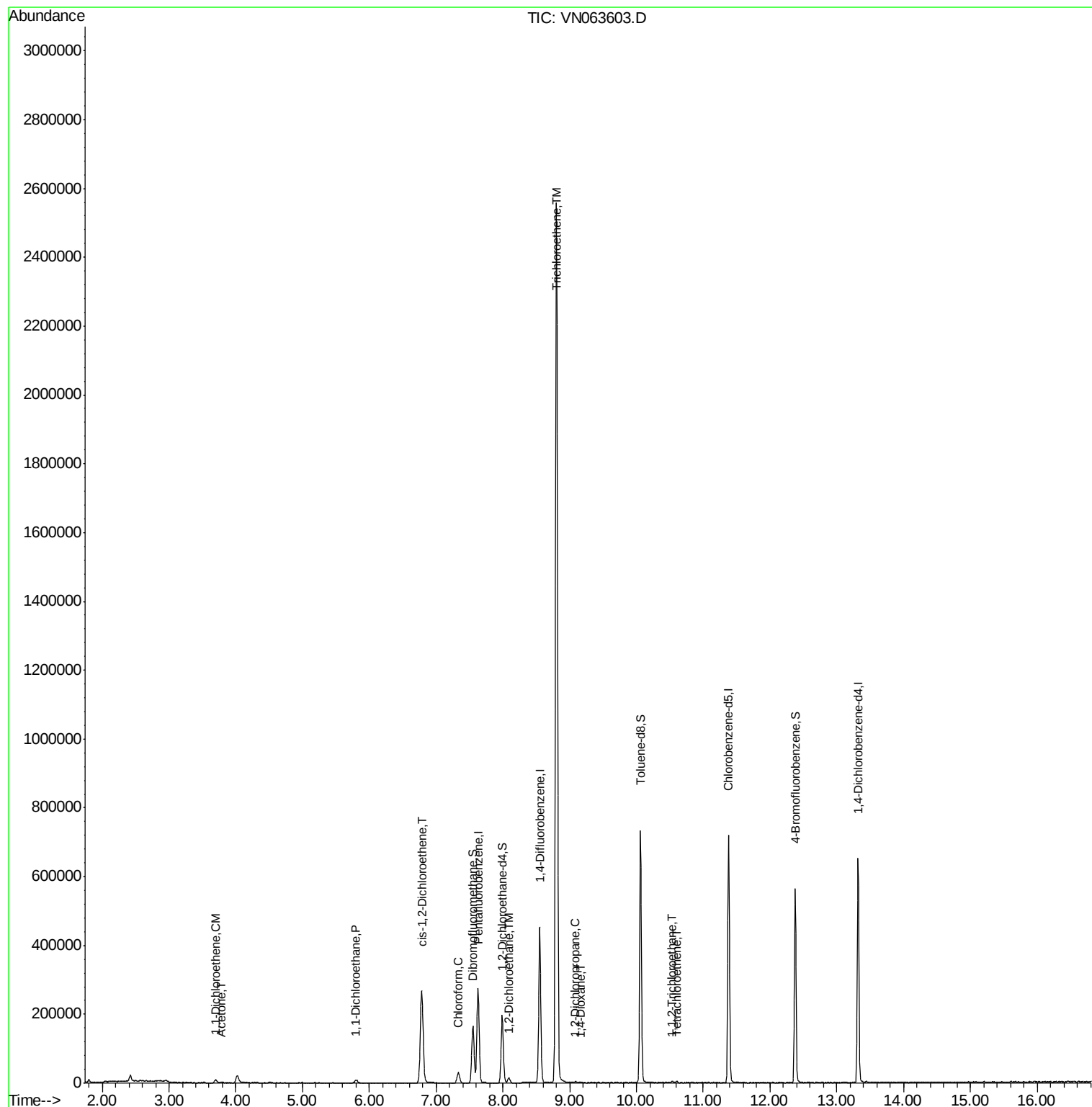
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.69	96	4351	1.944	ug/l	99
16) Acetone	3.78	43	4974	4.583	ug/l	100
24) 1,1-Dichloroethane	5.80	63	11641	2.361	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	160436	57.152	ug/l	90
30) Chloroform	7.33	83	30164	6.098	ug/l	96
42) 1,2-Dichloroethane	8.09	62	11933	2.637	ug/l	98
44) Trichloroethene	8.80	130	858131	314.377	ug/l	98
45) 1,2-Dichloropropane	9.09	63	1163	0.379	ug/l	99
49) 1,4-Dioxane	9.18	88	517	10.599	ug/l #	79
55) 1,1,2-Trichloroethane	10.53	97	1305	0.486	ug/l #	87
64) Tetrachloroethene	10.60	164	930	0.359	ug/l	94

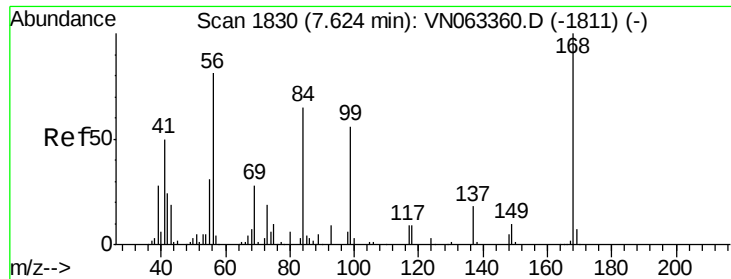
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063603.D

Acq: 23 Sep 2020 20:54

Instrument :

MSVOA_N

ClientSampleId :

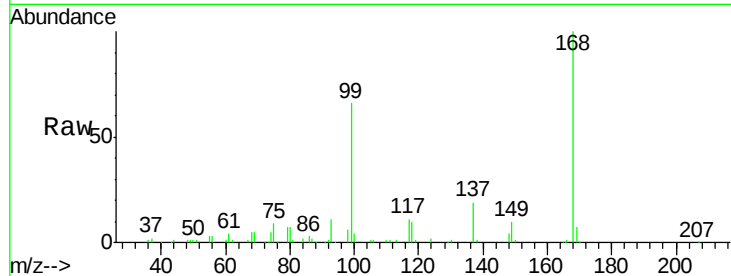
RE104D2-20200917

Tot Ion:168 Resp: 198366

Ion Ratio Lower Upper

168 100

99 65.6 53.0 79.6

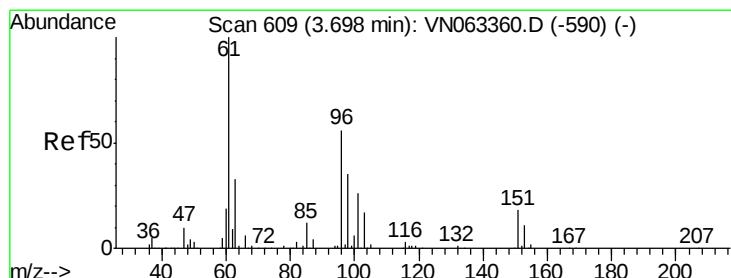
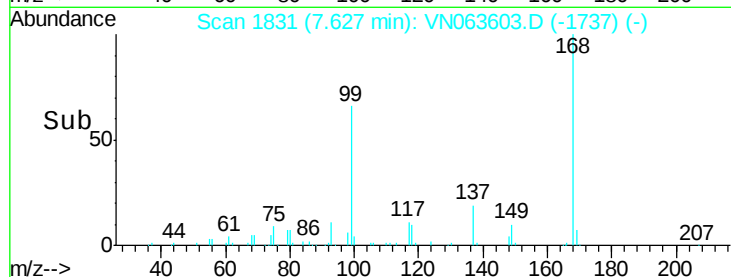


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

Time-->



#12

1,1-Dichloroethene

Concen: 1.944 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

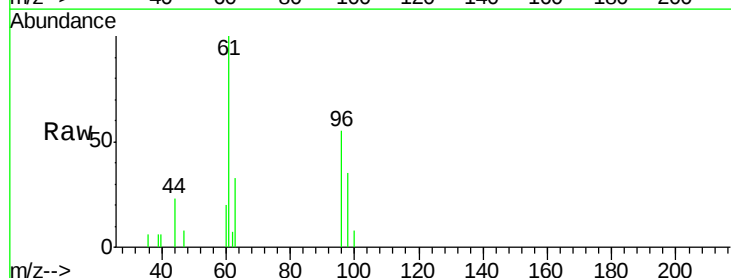
Tgt Ion: 96 Resp: 4351

Ion Ratio Lower Upper

96 100

61 181.5 143.4 215.2

98 63.8 50.6 76.0



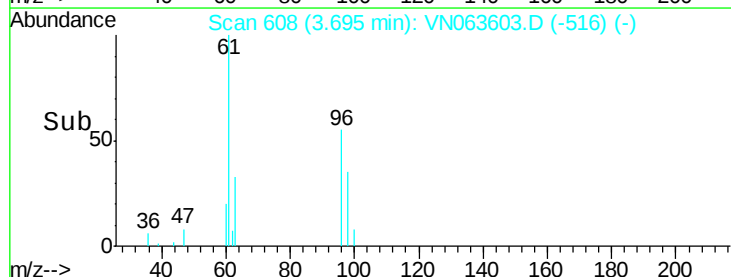
Abundance Ion 95.90 (95.60 to 96.60): VNO

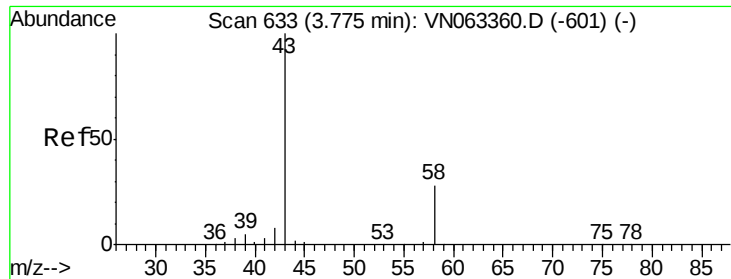
Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

3.69

Time-->





#16

Acetone

Concen: 4.583 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

Instrument :

MSVOA_N

ClientSampleId :

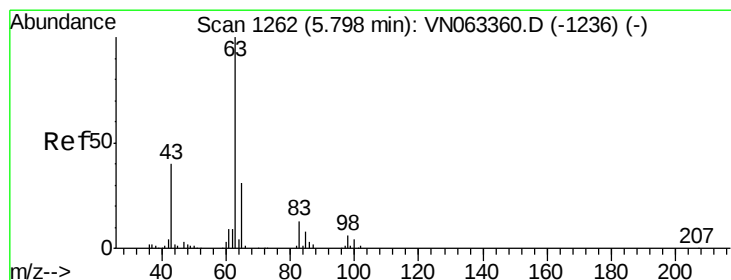
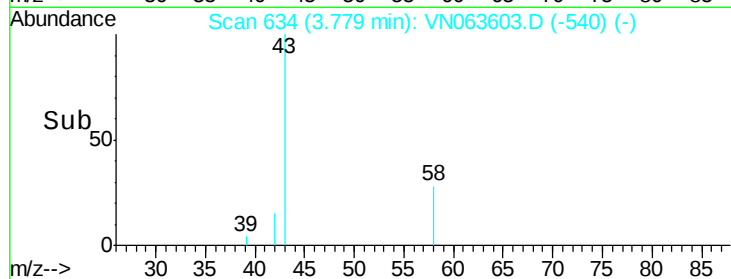
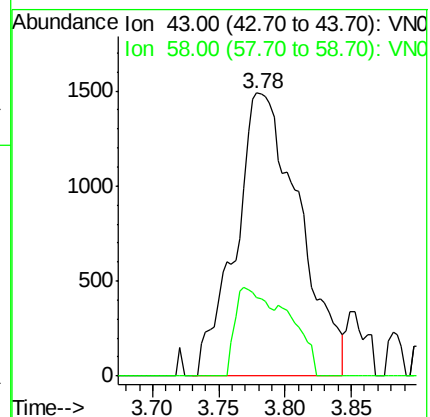
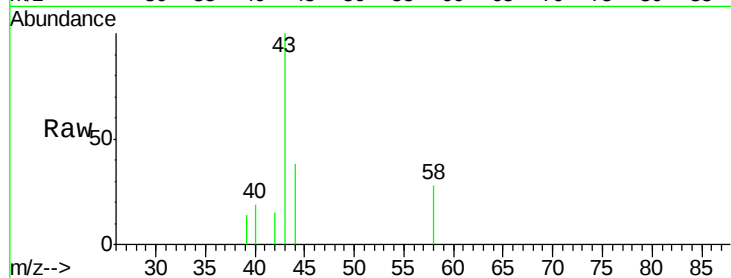
RE104D2-20200917

Tot Ion: 43 Resp: 4974

Ion Ratio Lower Upper

43 100

58 27.8 22.3 33.5



#24

1,1-Dichloroethane

Concen: 2.361 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

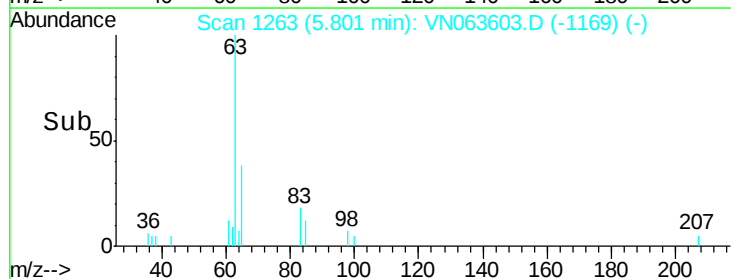
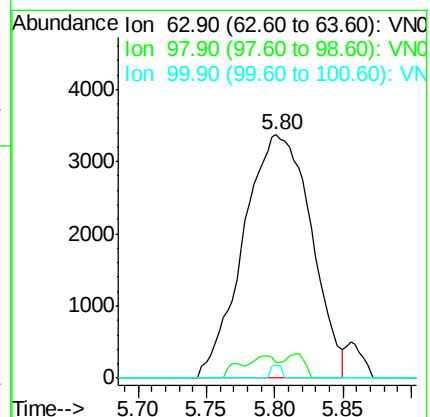
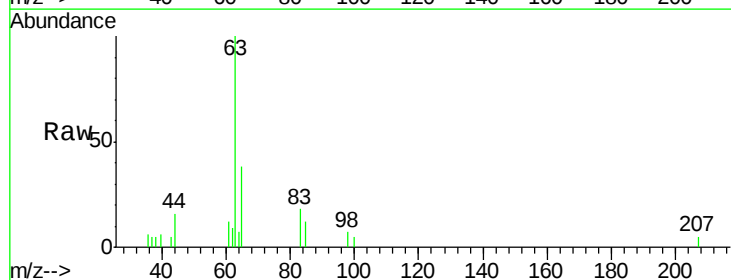
Tgt Ion: 63 Resp: 11641

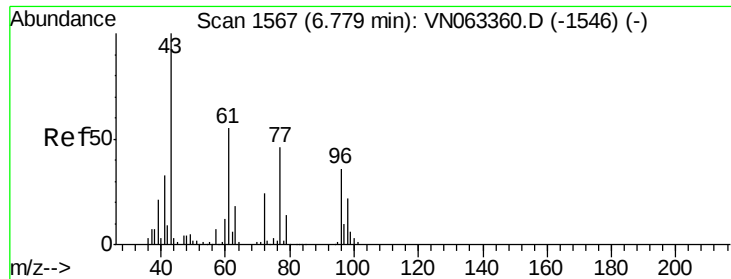
Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.8

100 5.3 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 57.152 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917

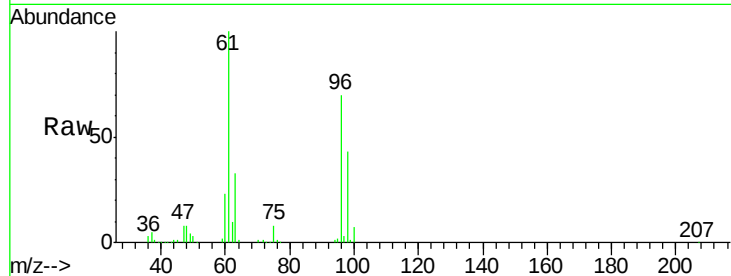
Tot Ion: 96 Resp: 160436

Ion Ratio Lower Upper

96 100

61 141.7 0.0 319.6

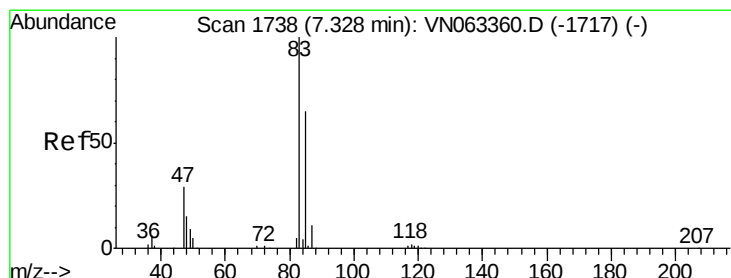
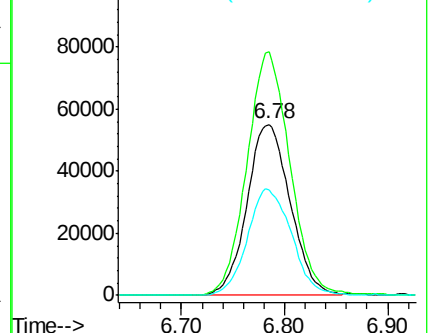
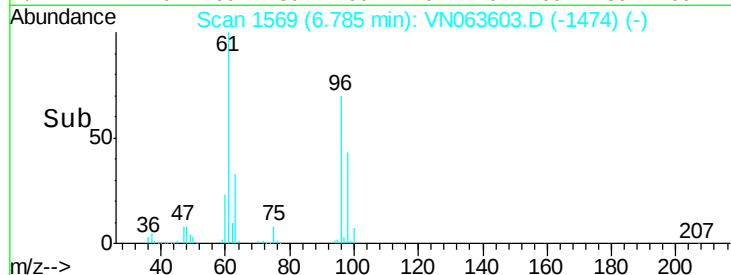
98 63.4 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#30

Chloroform

Concen: 6.098 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063603.D

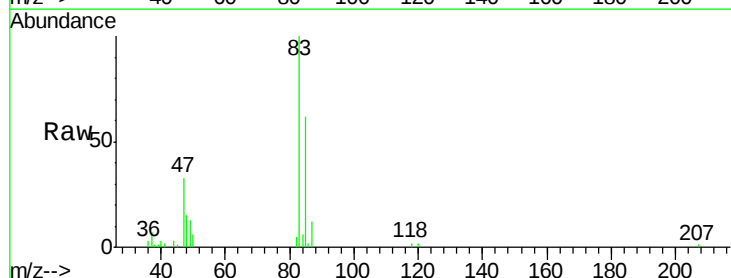
Acq: 23 Sep 2020 20:54

Tgt Ion: 83 Resp: 30164

Ion Ratio Lower Upper

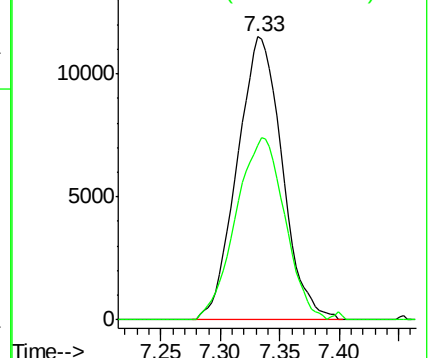
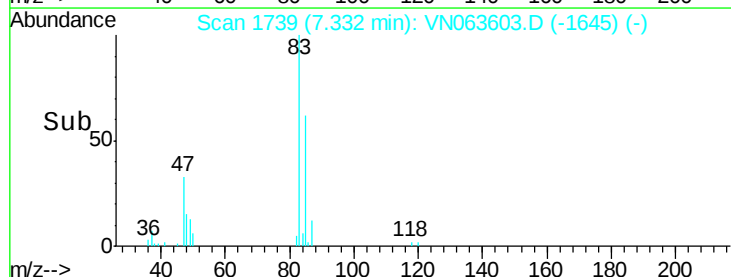
83 100

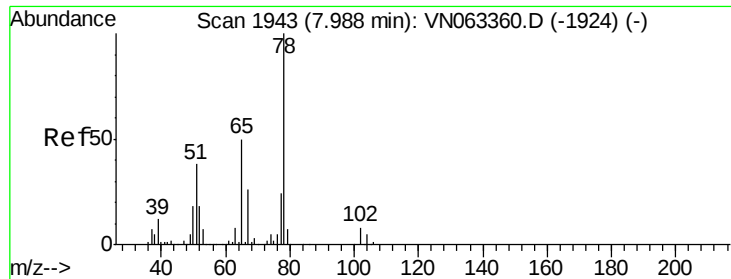
85 61.9 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.578 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

Instrument :

MSVOA_N

ClientSampleId :

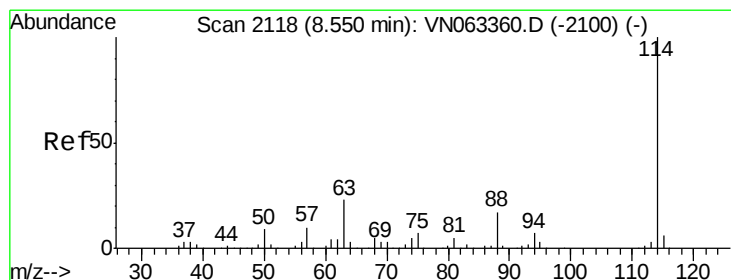
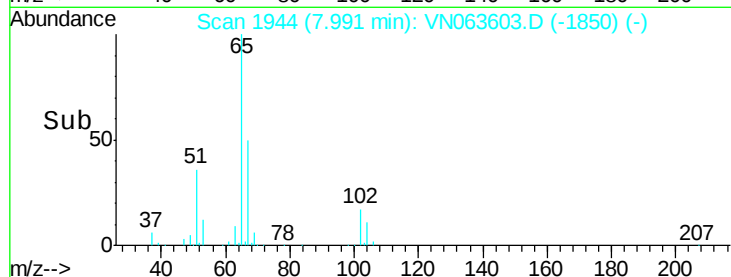
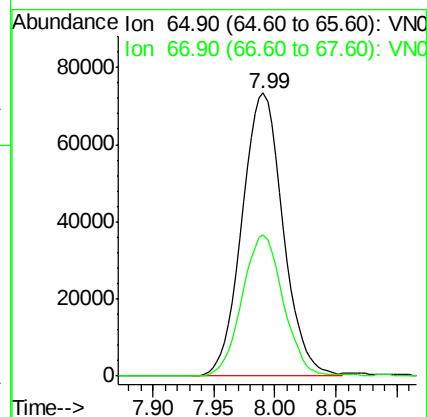
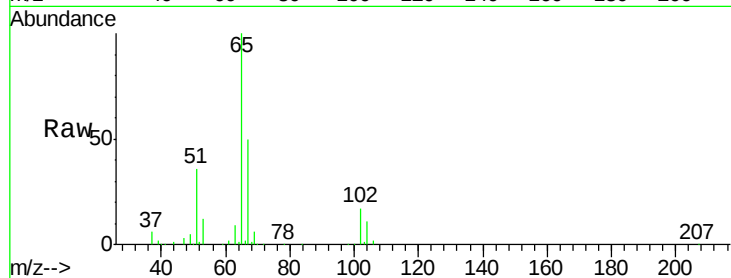
RE104D2-20200917

Tot Ion: 65 Resp: 170788

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

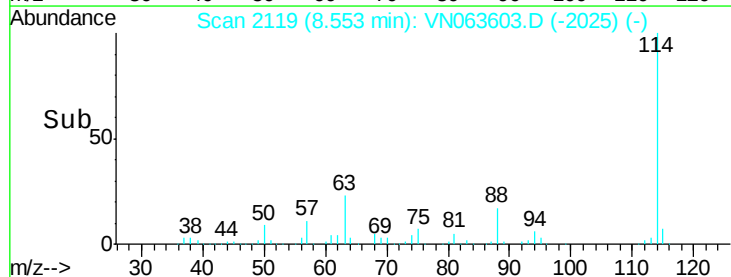
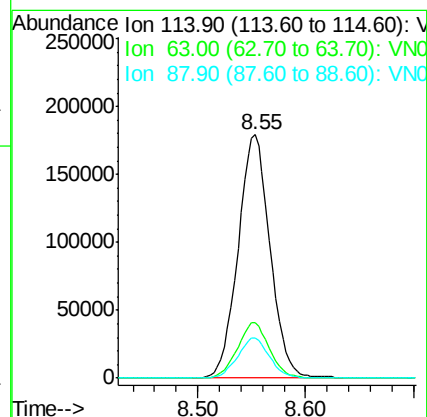
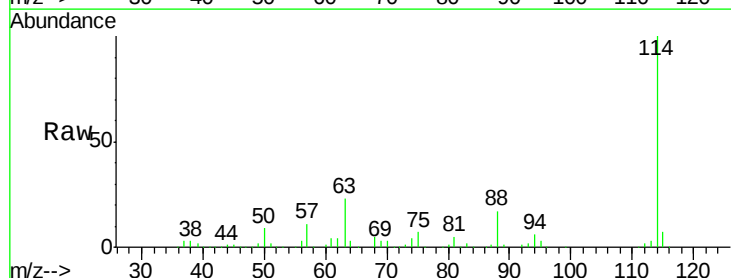
Tgt Ion: 114 Resp: 370052

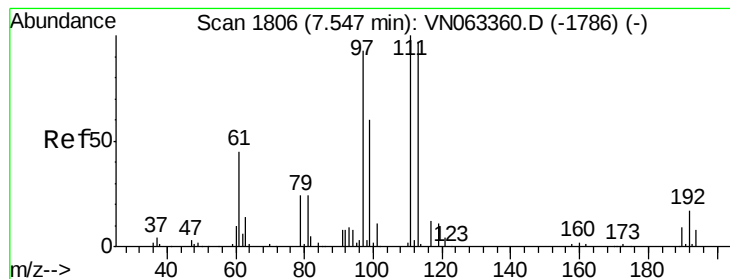
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.4

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.835 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917

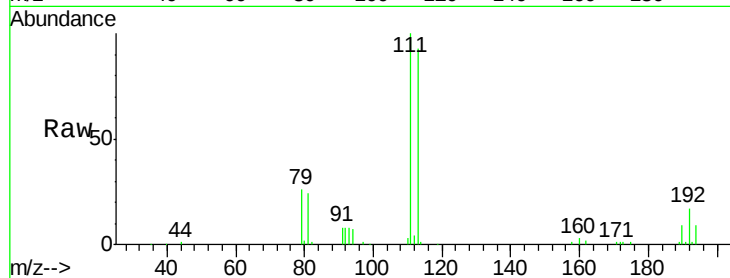
Tot Ion:113 Resp: 122543

Ion Ratio Lower Upper

113 100

111 105.4 82.9 124.3

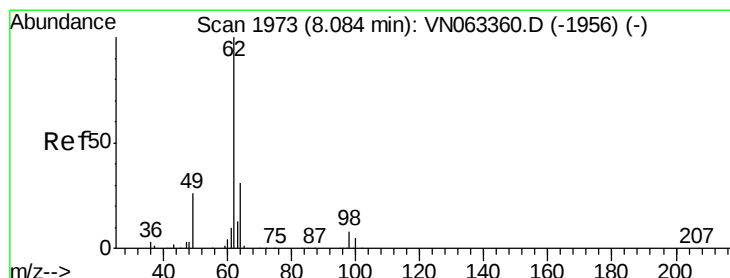
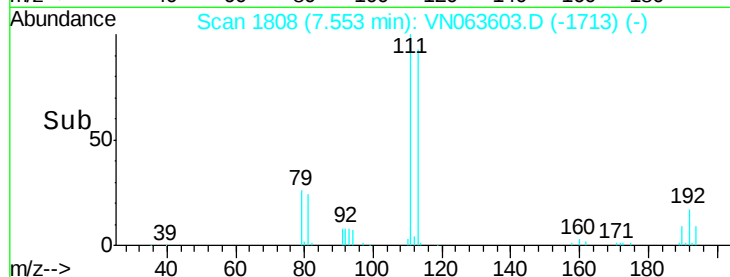
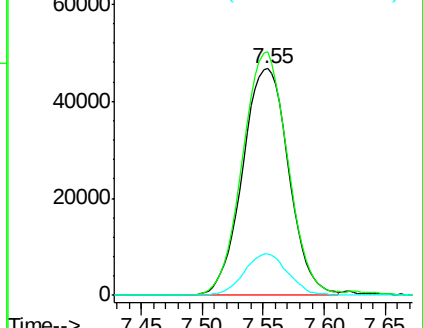
192 17.4 13.9 20.9



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



#42

1,2-Dichloroethane

Concen: 2.637 ug/l

RT: 8.09 min Scan# 1975

Delta R.T. 0.01 min

Lab File: VN063603.D

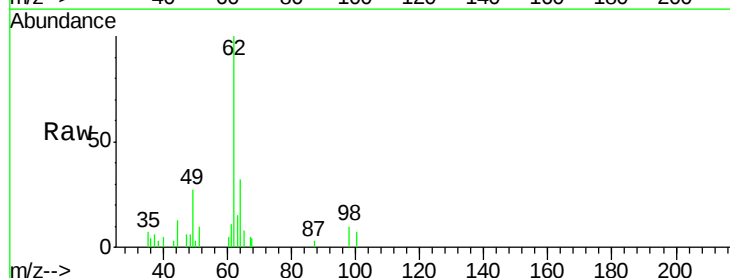
Acq: 23 Sep 2020 20:54

Tgt Ion: 62 Resp: 11933

Ion Ratio Lower Upper

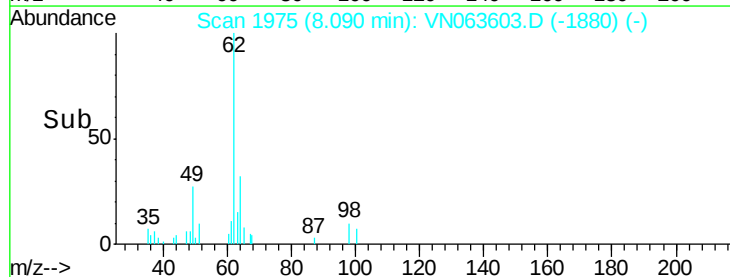
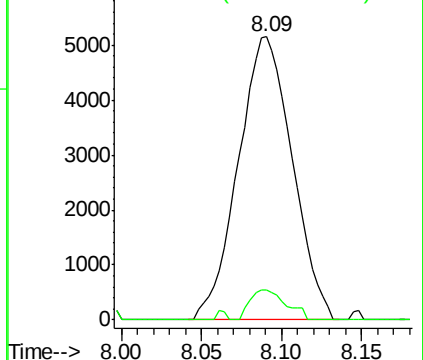
62 100

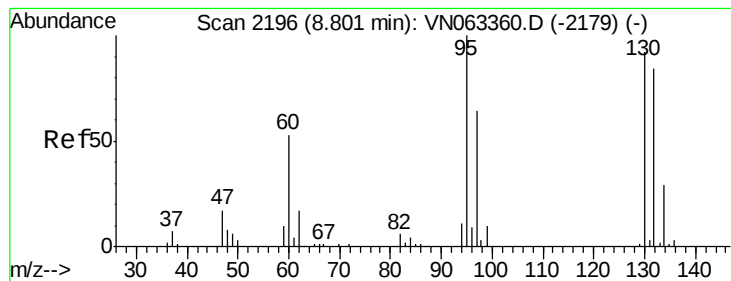
98 7.0 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): V

Ion 97.90 (97.60 to 98.60): V





#44

Trichloroethene

Concen: 314.377 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

Instrument :

MSVOA_N

ClientSampleId :

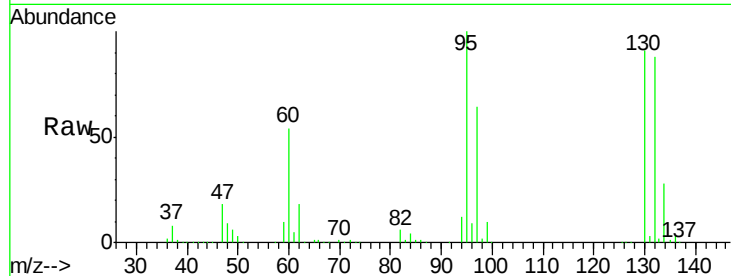
RE104D2-20200917

Tot Ion:130 Resp: 858131

Ion Ratio Lower Upper

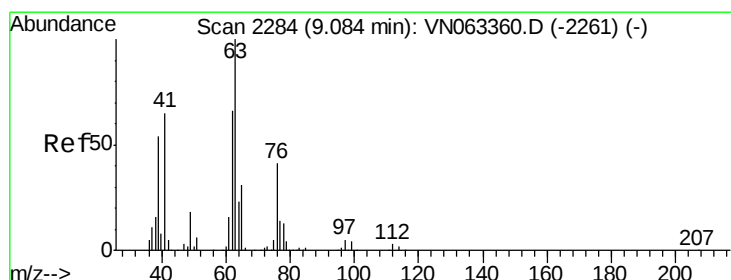
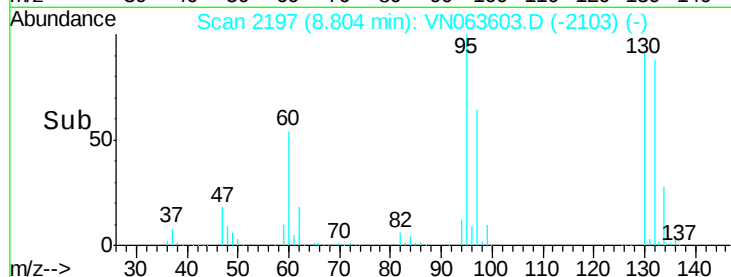
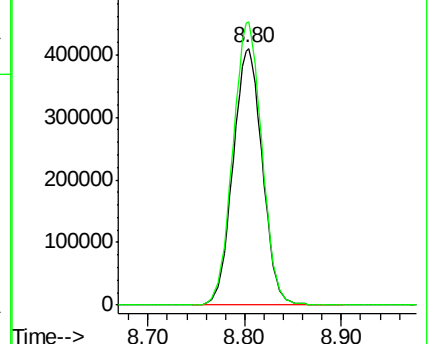
130 100

95 110.3 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.379 ug/l

RT: 9.09 min Scan# 2286

Delta R.T. 0.01 min

Lab File: VN063603.D

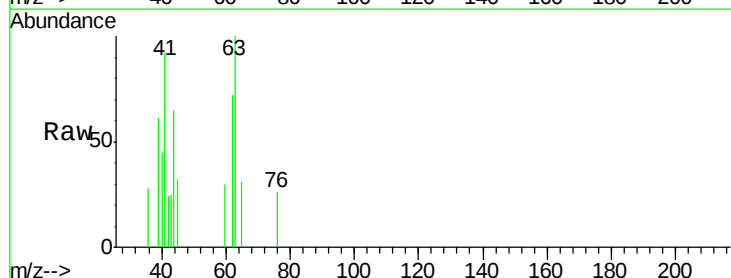
Acq: 23 Sep 2020 20:54

Tgt Ion: 63 Resp: 1163

Ion Ratio Lower Upper

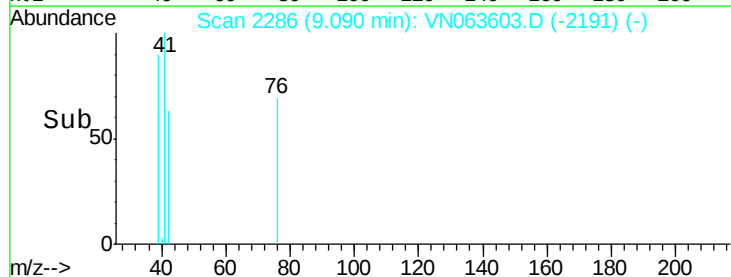
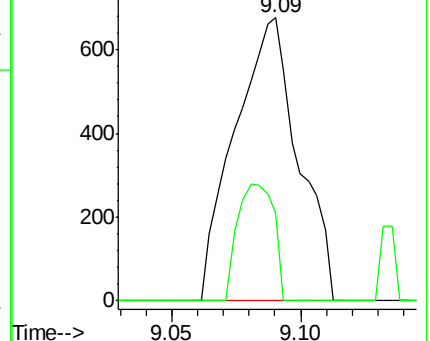
63 100

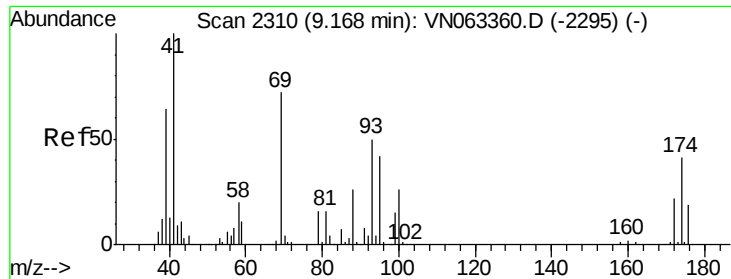
65 30.9 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

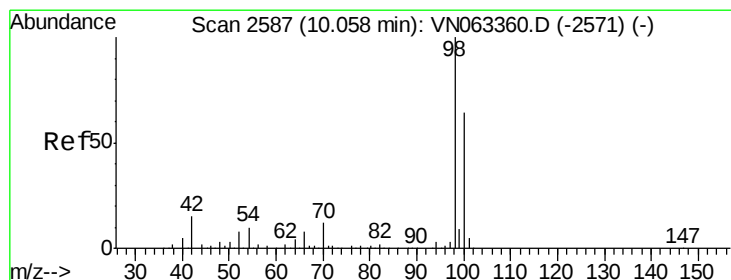
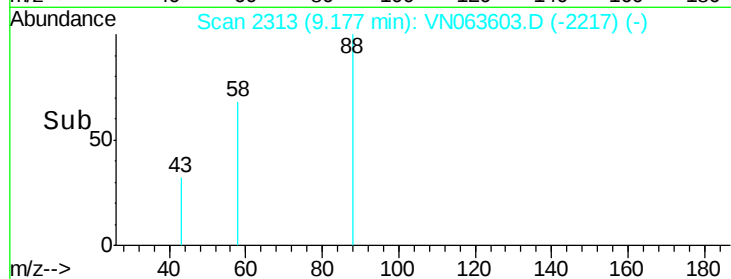
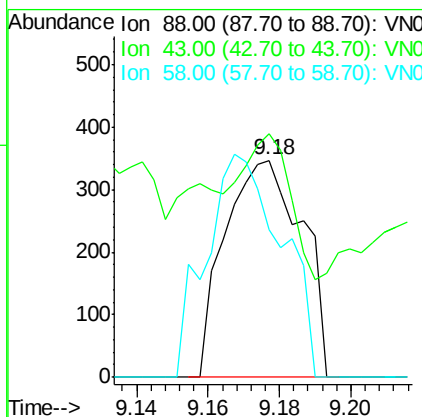
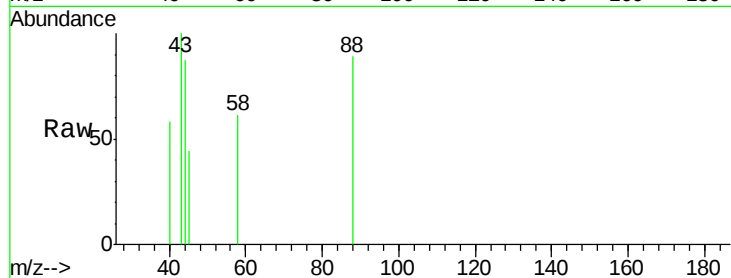




#49
1,4-Dioxane
Concen: 10.599 ug/l
RT: 9.18 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN063603.D
Acq: 23 Sep 2020 20:54

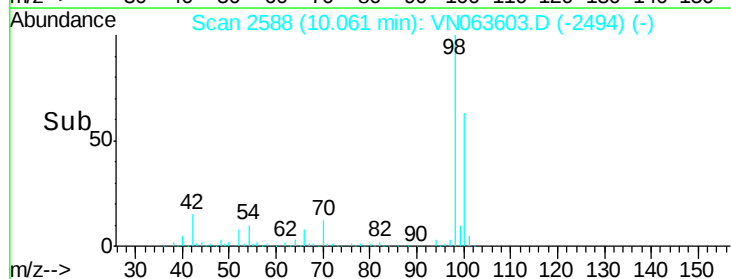
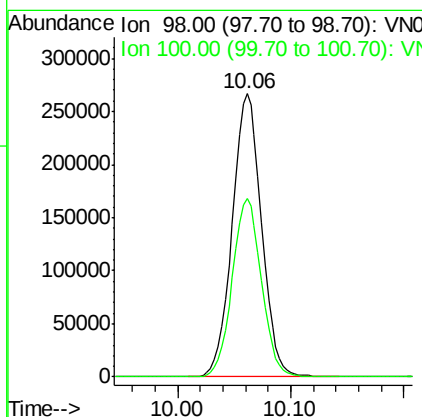
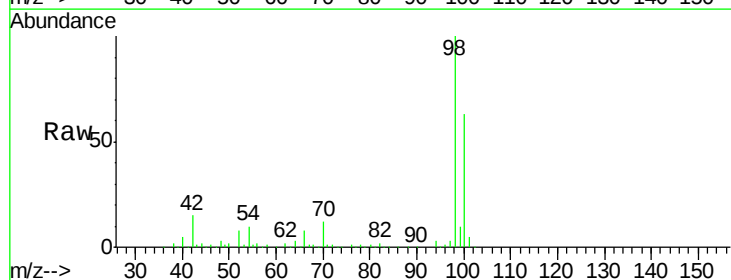
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20200917

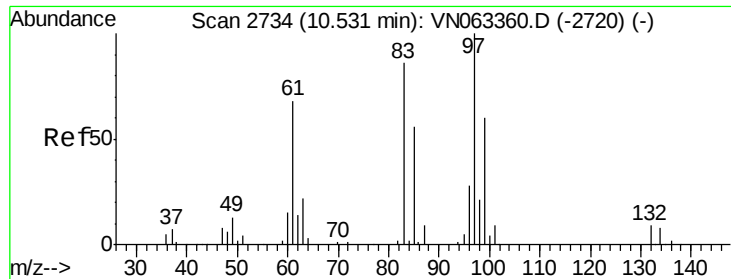
Tot Ion: 88 Resp: 517
Ion Ratio Lower Upper
88 100
43 37.7 32.6 49.0
58 100.8 60.0 90.0#



#50
Toluene-d8
Concen: 49.897 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063603.D
Acq: 23 Sep 2020 20:54

Tgt Ion: 98 Resp: 480653
Ion Ratio Lower Upper
98 100
100 62.8 50.7 76.1





#55

1,1,2-Trichloroethane

Concen: 0.486 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917

Tot Ion: 97 Resp: 1305

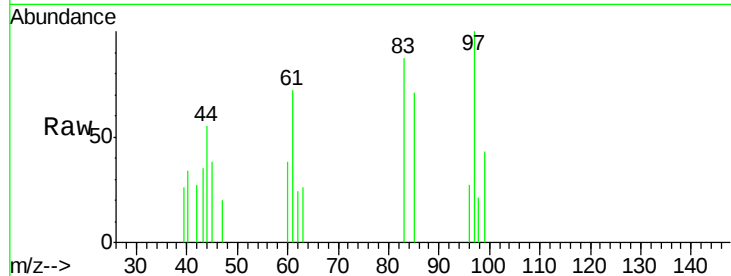
Ion Ratio Lower Upper

97 100

83 87.2 68.9 103.3

85 70.8 44.8 67.2#

99 43.4 47.8 71.8#

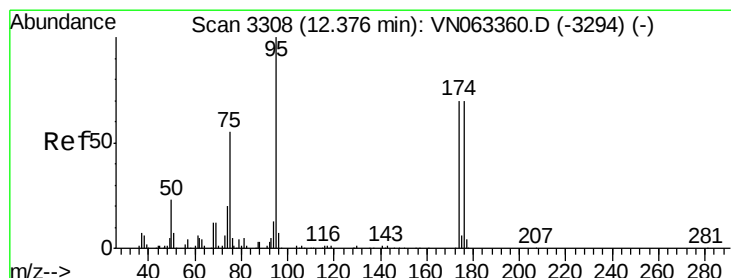
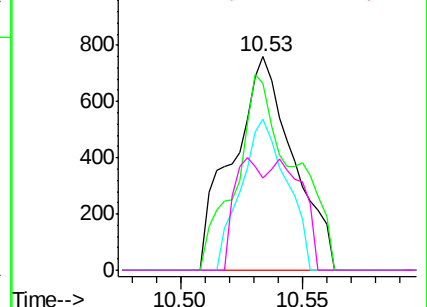
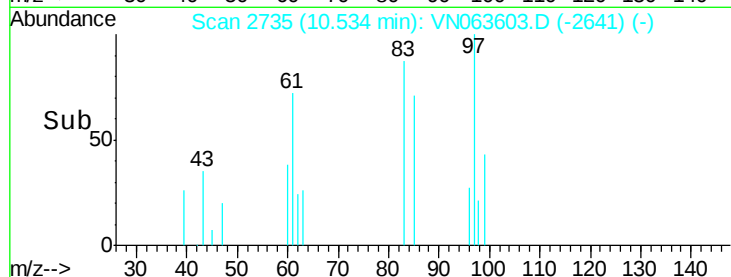


Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-2720) (-)

Ion 82.90 (82.60 to 83.60): VN063360.D (-2720) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-2720) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-2720) (-)



#62

4-Bromofluorobenzene

Concen: 52.583 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063603.D

Acq: 23 Sep 2020 20:54

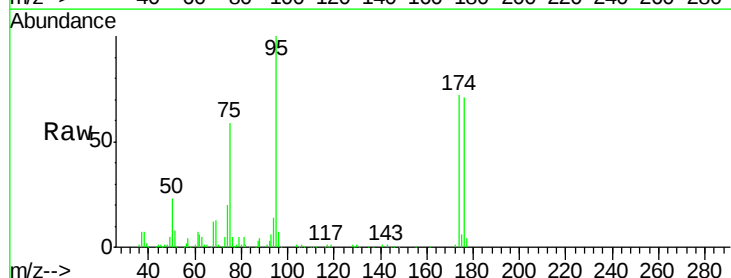
Tgt Ion: 95 Resp: 185683

Ion Ratio Lower Upper

95 100

174 73.0 0.0 140.8

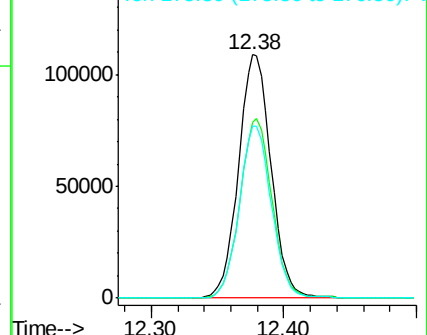
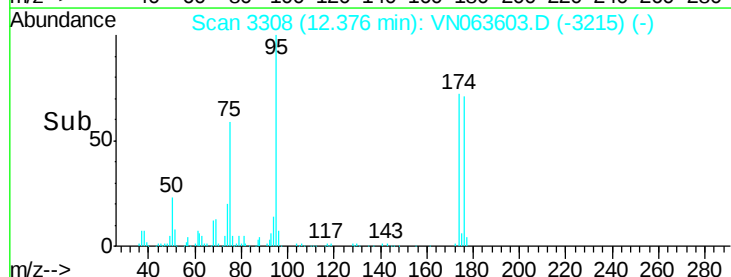
176 69.8 0.0 137.6

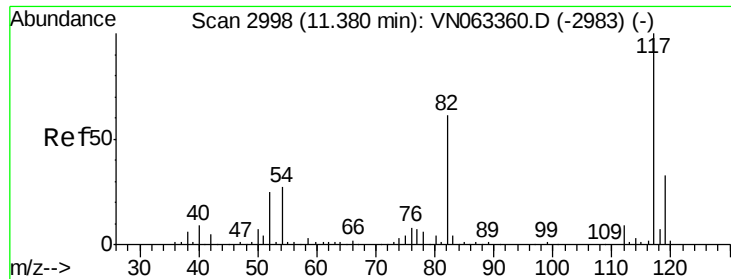


Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)

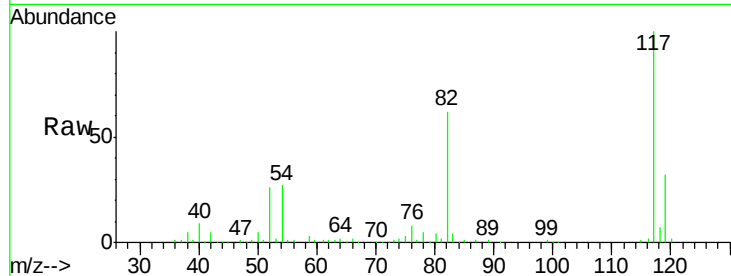




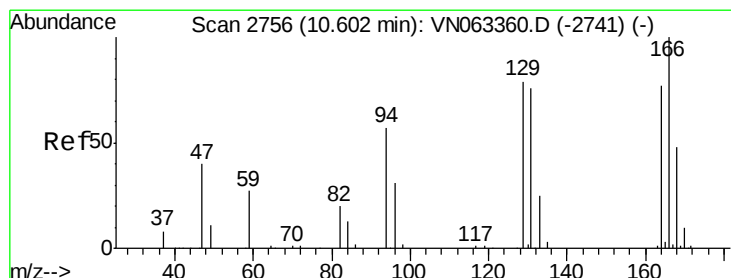
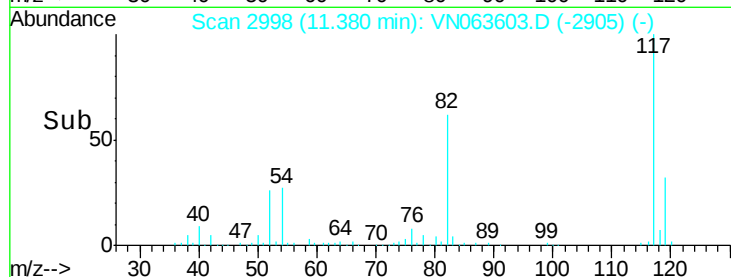
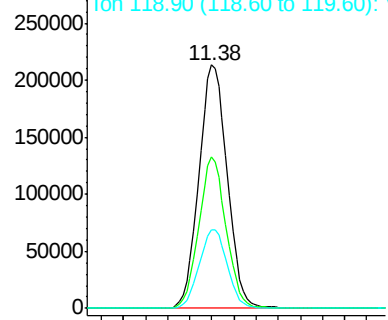
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063603.D
Acq: 23 Sep 2020 20:54

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20200917

Tot Ion:117 Resp: 380190
Ion Ratio Lower Upper
117 100
82 62.1 49.2 73.8
119 32.2 26.2 39.4

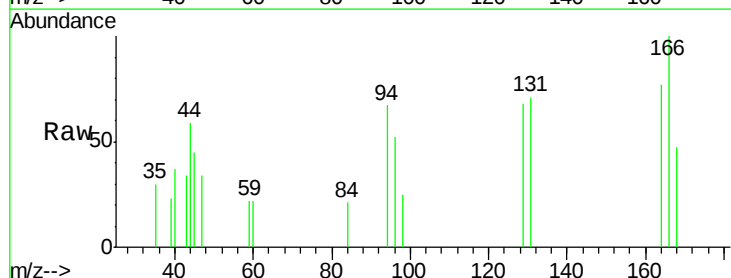


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

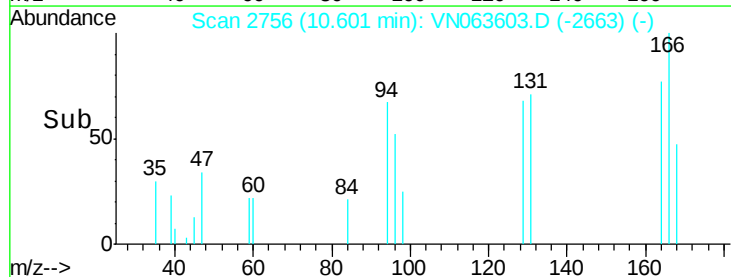
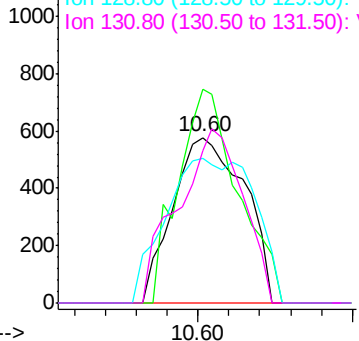


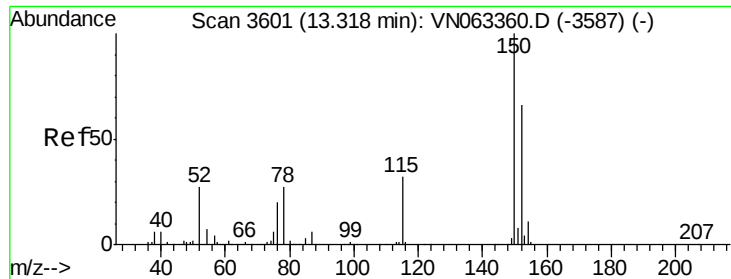
#64
Tetrachloroethene
Concen: 0.359 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063603.D
Acq: 23 Sep 2020 20:54

Tgt Ion:164 Resp: 930
Ion Ratio Lower Upper
164 100
166 129.1 103.4 155.0
129 87.9 81.8 122.6
131 92.0 78.2 117.4



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: VN063603.D

Acq: 23 Sep 2020 20:54

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917

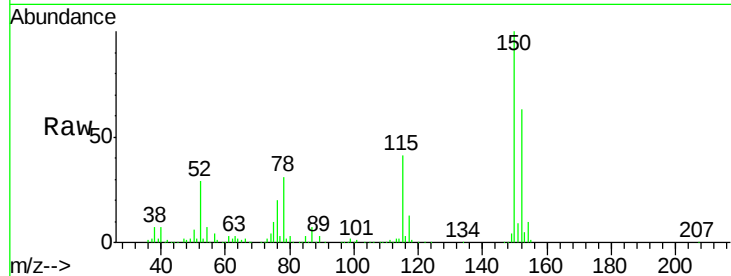
Tot Ion:152 Resp: 156678

Ion Ratio Lower Upper

152 100

115 63.8 32.2 96.6

150 155.8 0.0 343.4



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

