

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063639.D
 Acq On : 24 Sep 2020 19:28
 Operator : JC/MD
 Sample : L4119-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D-20200922

Quant Time: Sep 25 17:03:36 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

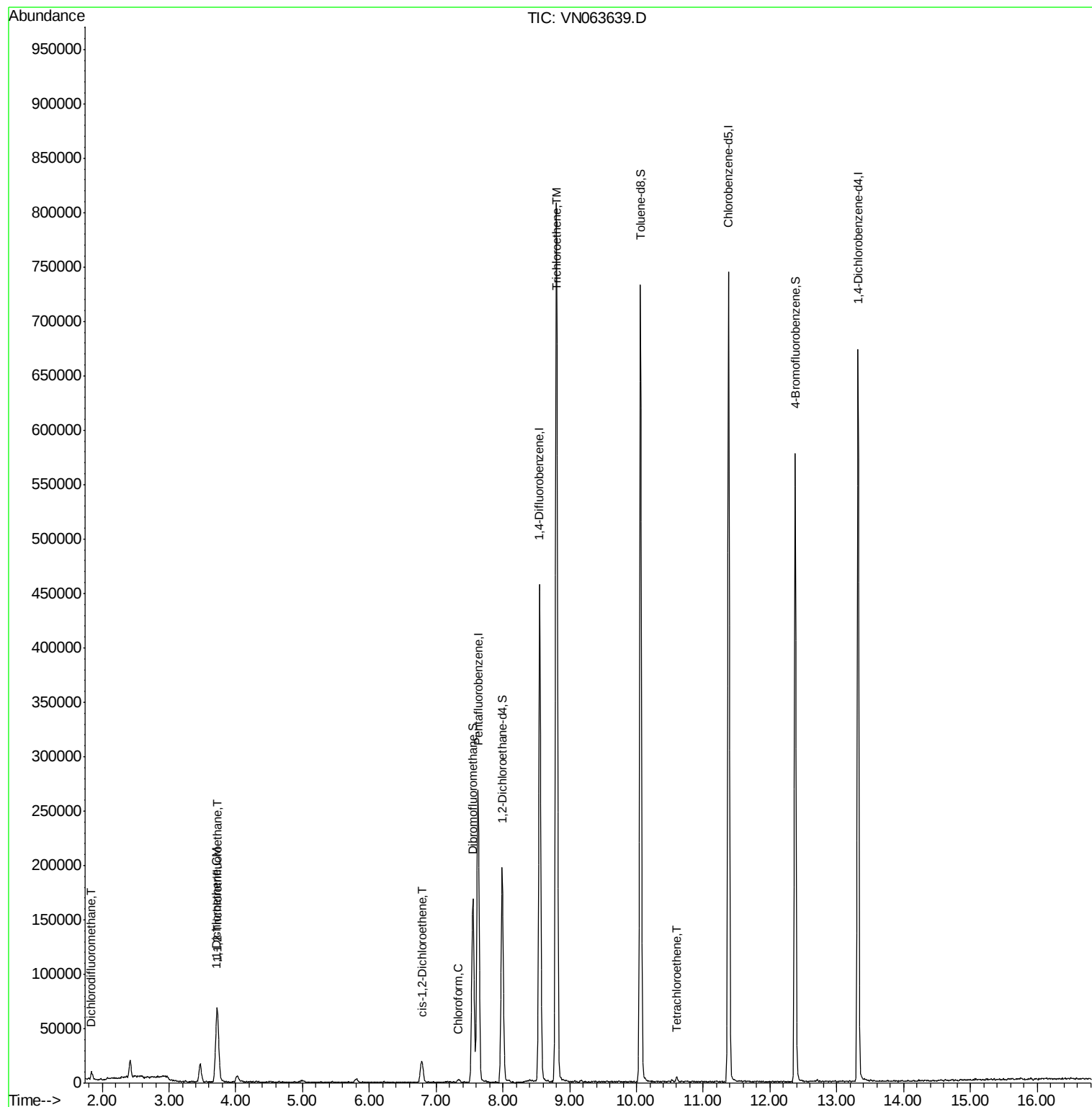
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	199328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	374507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	379566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	160369	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	174987	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
35) Dibromofluoromethane	7.55	113	127162	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
50) Toluene-d8	10.06	98	484721	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.38	95	186232	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	4561	2.020	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.72	101	38770	17.458	ug/l	100
12) 1,1-Dichloroethene	3.70	96	6674	2.967	ug/l #	75
27) cis-1,2-Dichloroethene	6.79	96	10535	3.735	ug/l	86
30) Chloroform	7.33	83	2965	0.597	ug/l #	82
44) Trichloroethene	8.80	130	273256	98.917	ug/l	100
64) Tetrachloroethene	10.60	164	704	0.272	ug/l #	73

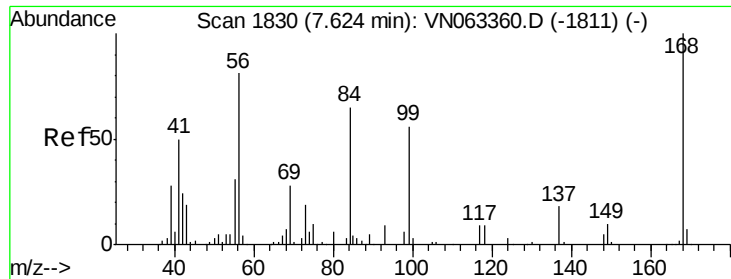
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063639.D

Acq: 24 Sep 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

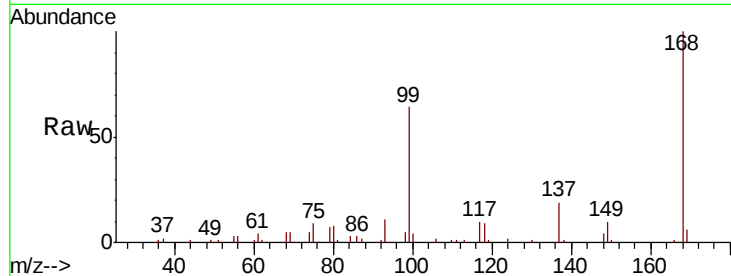
TT101D-20200922

Tot Ion:168 Resp: 199328

Ion Ratio Lower Upper

168 100

99 64.0 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

80000

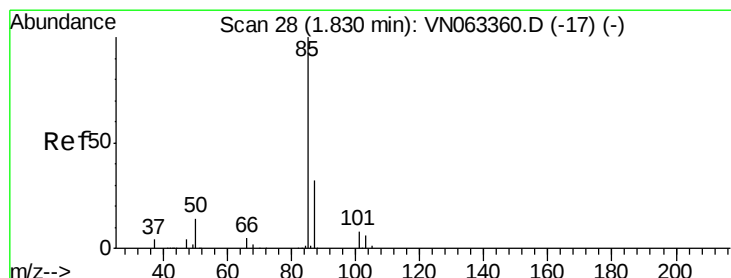
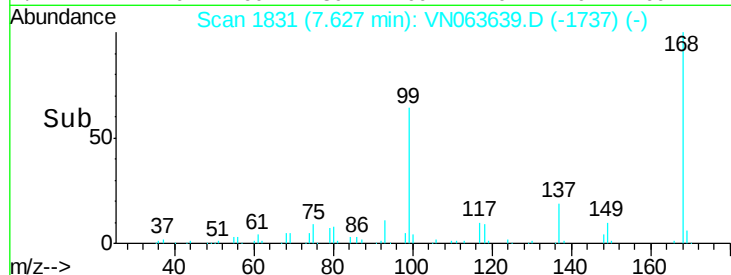
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 2.020 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063639.D

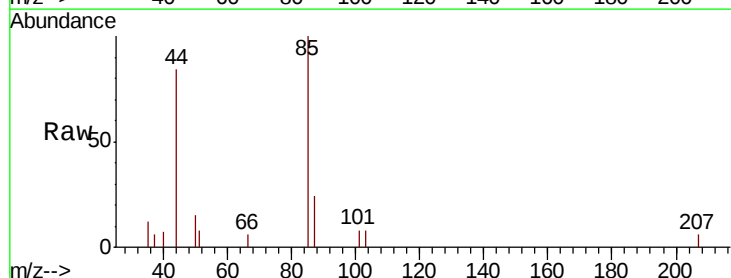
Acq: 24 Sep 2020 19:28

Tgt Ion: 85 Resp: 4561

Ion Ratio Lower Upper

85 100

87 24.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

4000

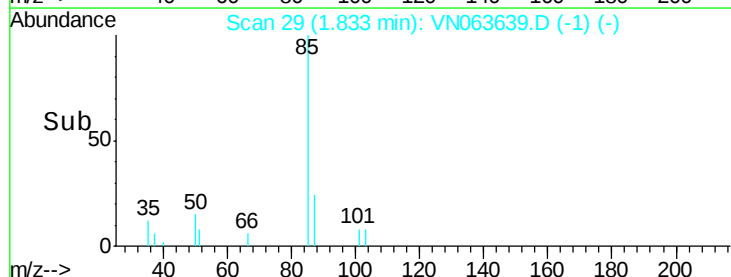
3000

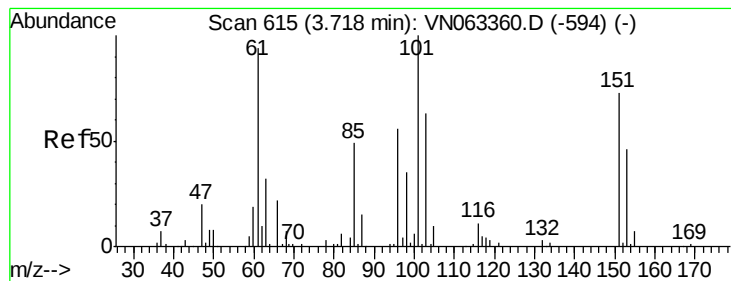
2000

1000

0

Time--> 1.80 1.85





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.458 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063639.D

Acq: 24 Sep 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

TT101D-20200922

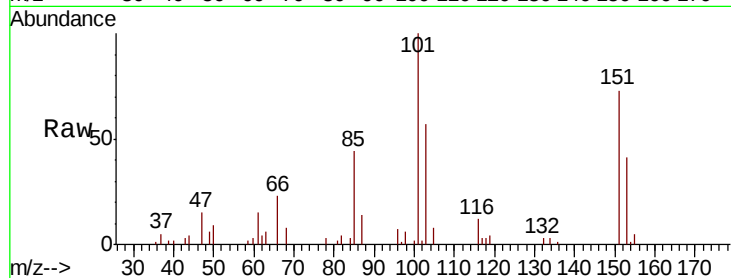
Tot Ion:101 Resp: 38770

Ion Ratio Lower Upper

101 100

85 46.8 37.7 56.5

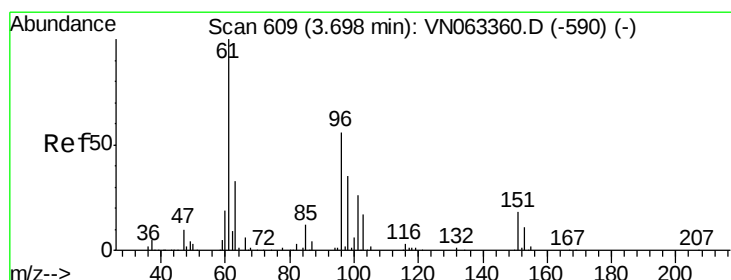
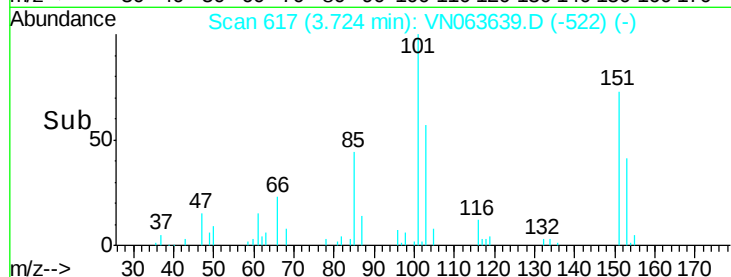
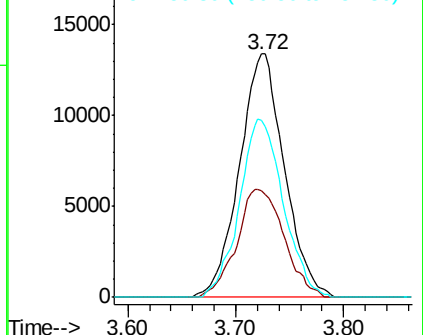
151 71.7 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 2.967 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN063639.D

Acq: 24 Sep 2020 19:28

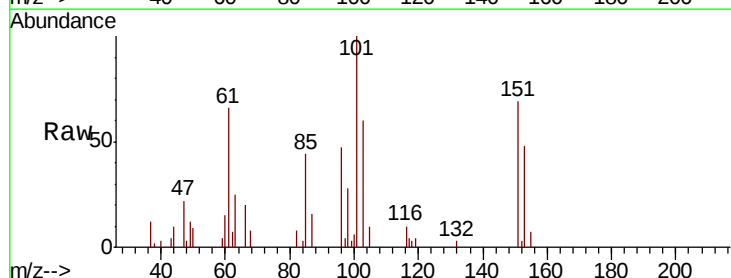
Tgt Ion: 96 Resp: 6674

Ion Ratio Lower Upper

96 100

61 134.3 143.4 215.2#

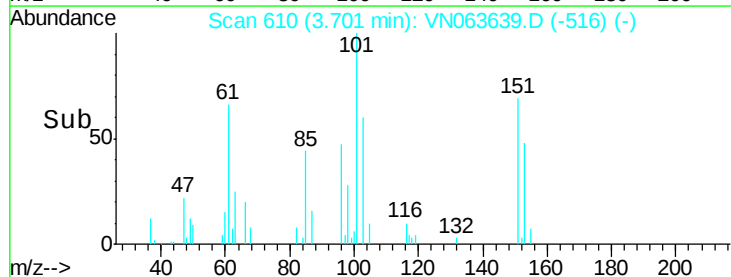
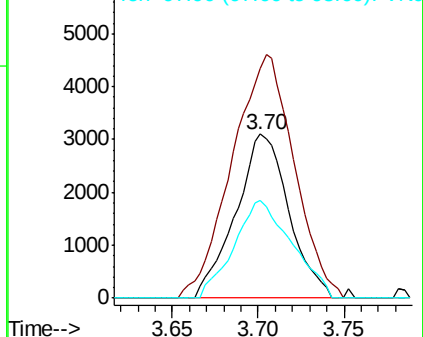
98 59.9 50.6 76.0

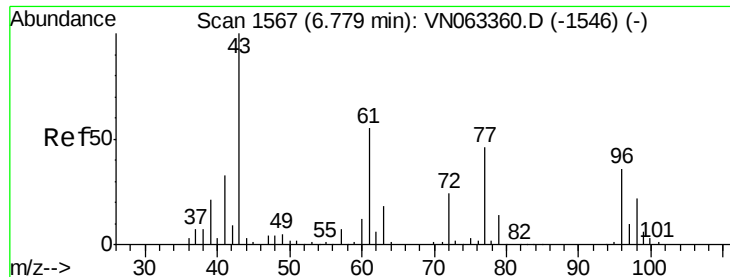


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

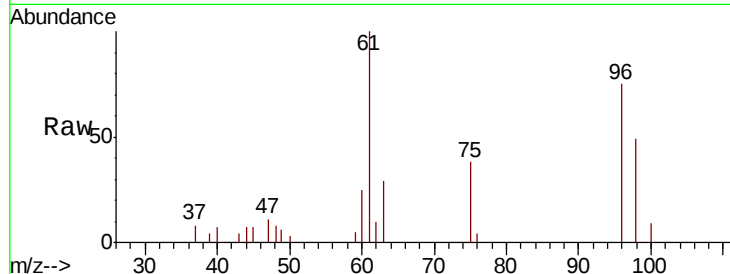




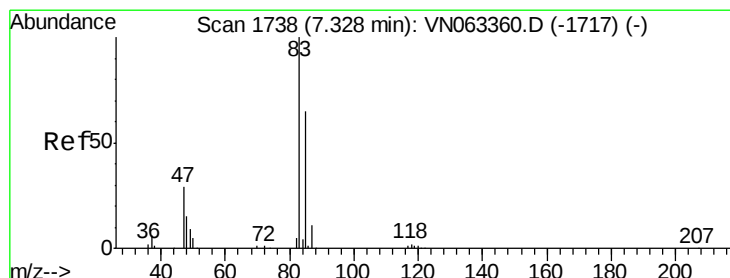
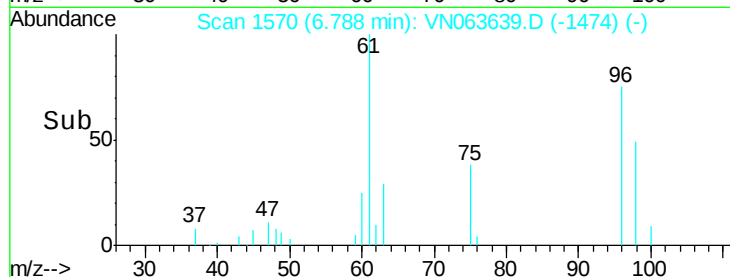
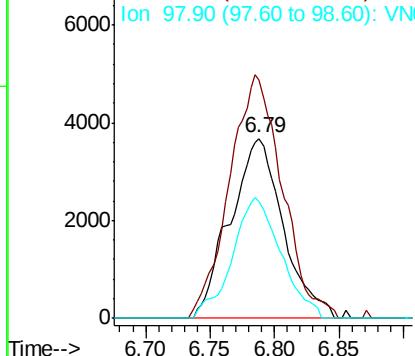
#27
 cis-1,2-Dichloroethene
 Concen: 3.735 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN063639.D
 Acq: 24 Sep 2020 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D-20200922

Tot Ion: 96 Resp: 10535
 Ion Ratio Lower Upper
 96 100
 61 134.7 0.0 319.6
 98 61.5 0.0 127.8

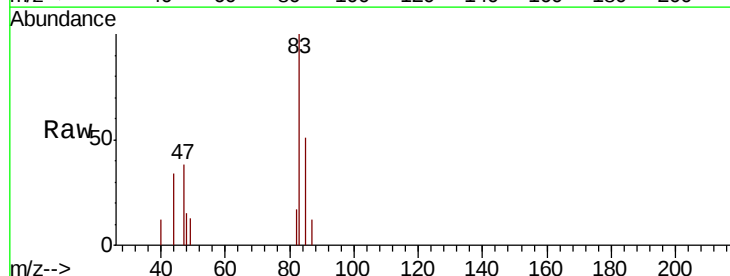


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

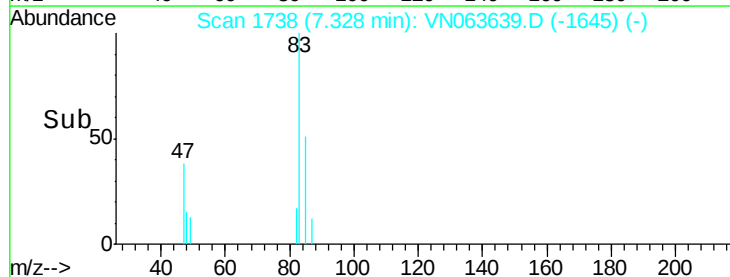
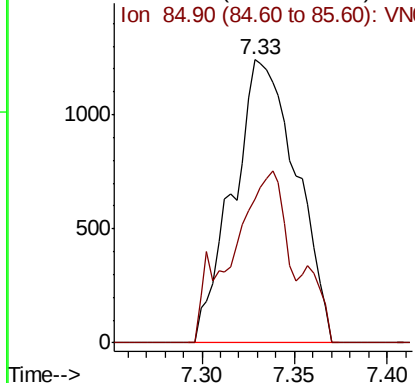


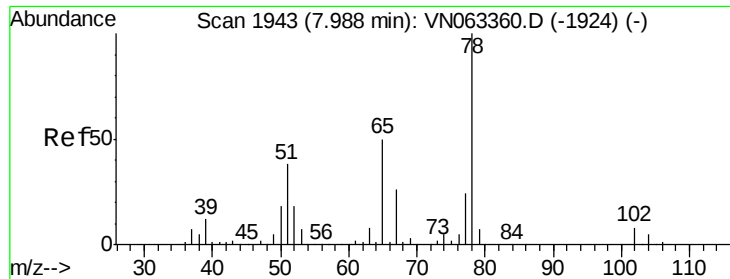
#30
 Chloroform
 Concen: 0.597 ug/l
 RT: 7.33 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: VN063639.D
 Acq: 24 Sep 2020 19:28

Tgt Ion: 83 Resp: 2965
 Ion Ratio Lower Upper
 83 100
 85 50.6 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: 51.572 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063639.D

Acq: 24 Sep 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

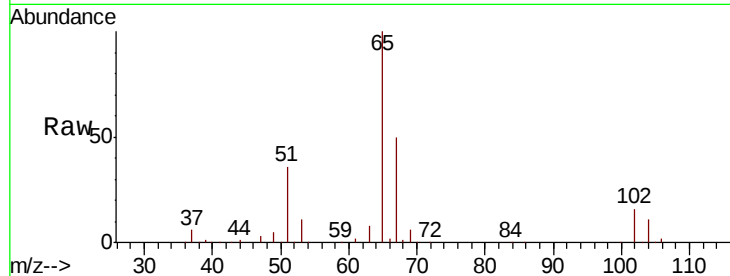
TT101D-20200922

Tot Ion: 65 Resp: 174987

Ion Ratio Lower Upper

65 100

67 49.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

7.99

80000

60000

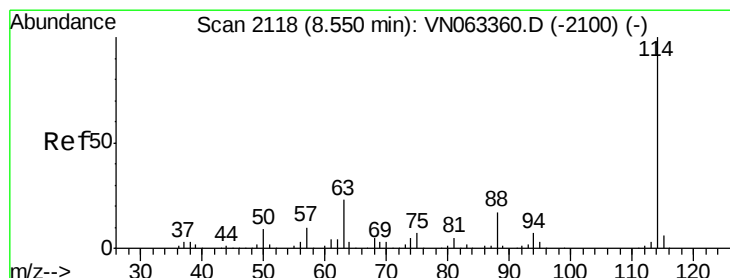
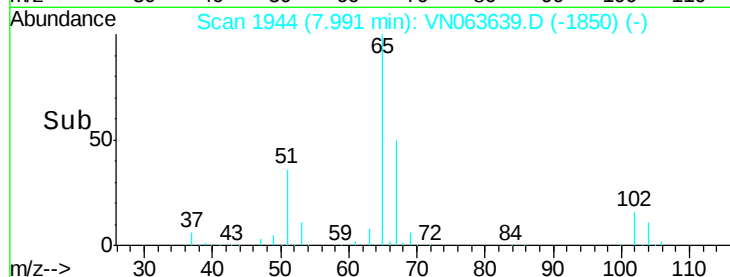
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063639.D

Acq: 24 Sep 2020 19:28

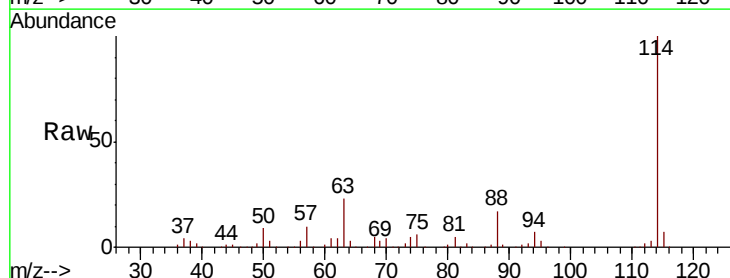
Tgt Ion: 114 Resp: 374507

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

88 16.8 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

8.55

250000

200000

150000

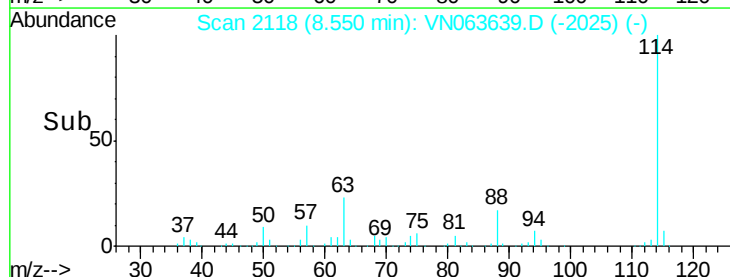
100000

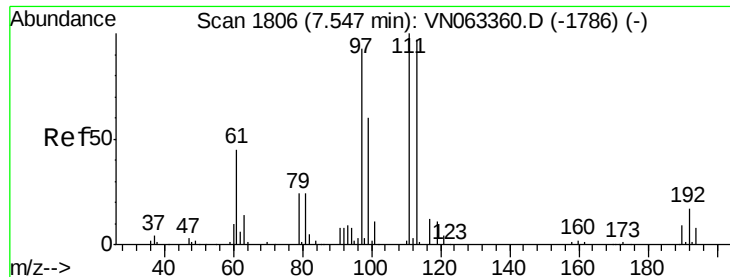
50000

0

8.50 8.55 8.60 8.65 8.70

Time-->

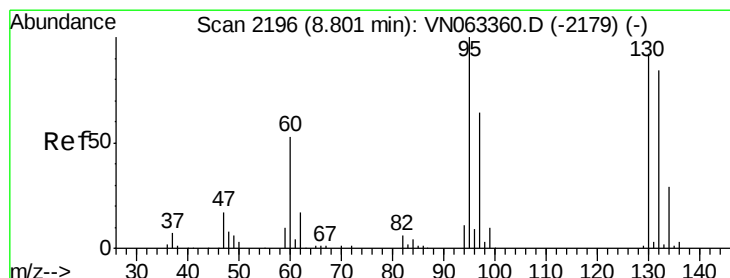
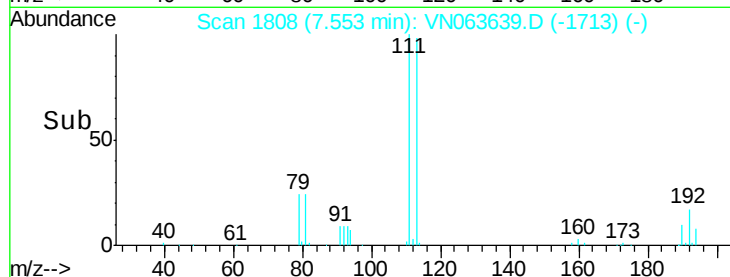
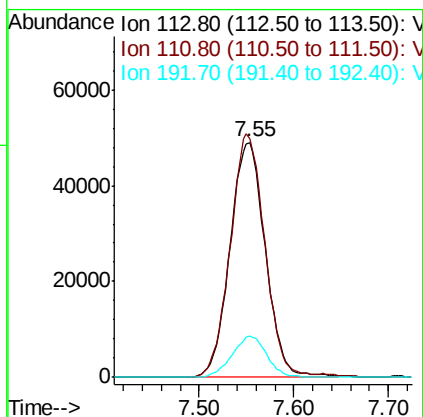
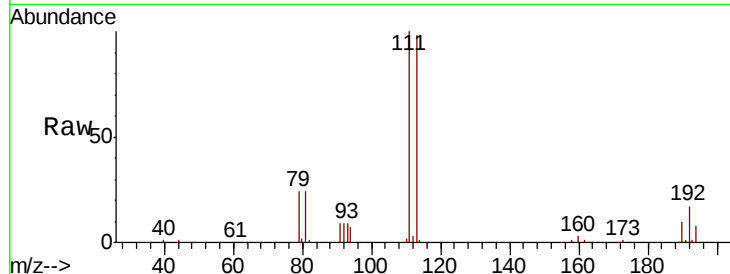




#35
 Dibromofluoromethane
 Concen: 49.047 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN063639.D
 Acq: 24 Sep 2020 19:28

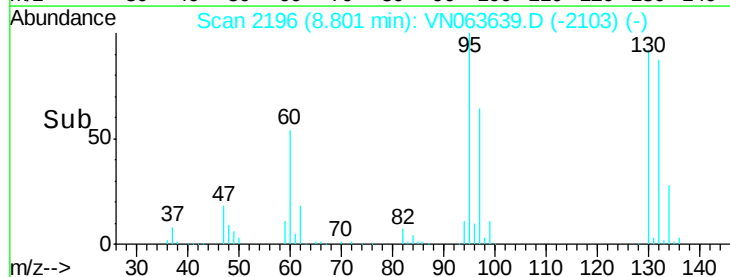
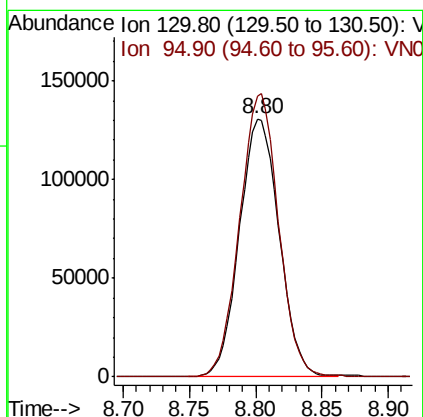
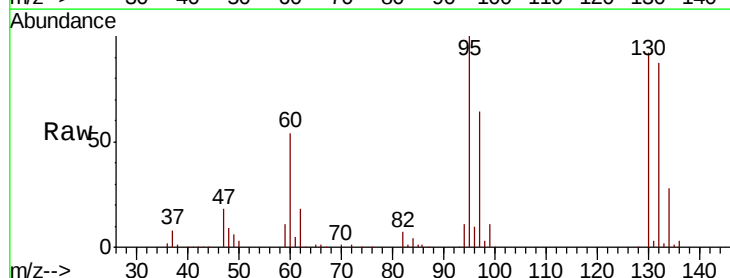
Instrument :
 MSVOA_N
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 TT101D-20200922

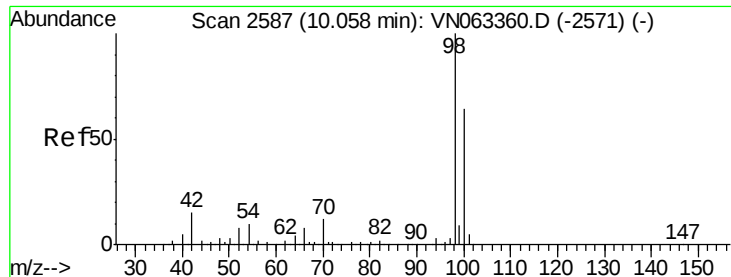
Tot Ion:113 Resp: 127162
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.9 124.3
 192 17.2 13.9 20.9



#44
 Trichloroethene
 Concen: 98.917 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN063639.D
 Acq: 24 Sep 2020 19:28

Tgt Ion:130 Resp: 273256
 Ion Ratio Lower Upper
 130 100
 95 108.5 0.0 217.4





#50

Toluene-d8

Concen: 49.721 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063639.D

Acq: 24 Sep 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

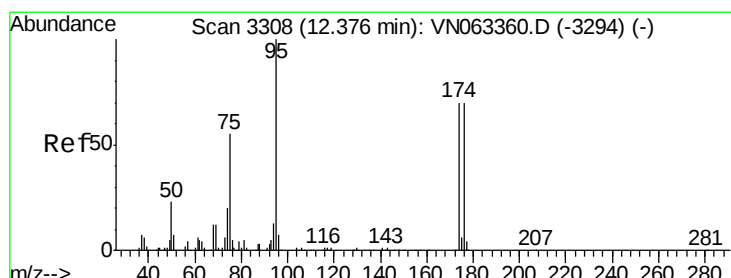
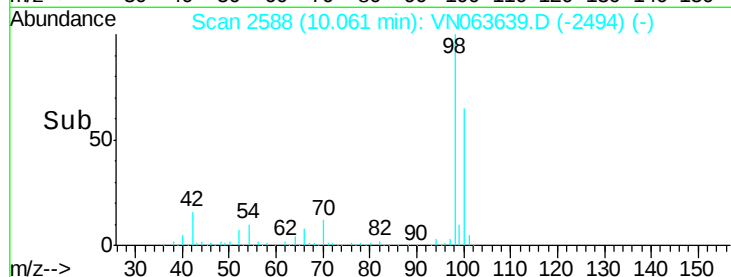
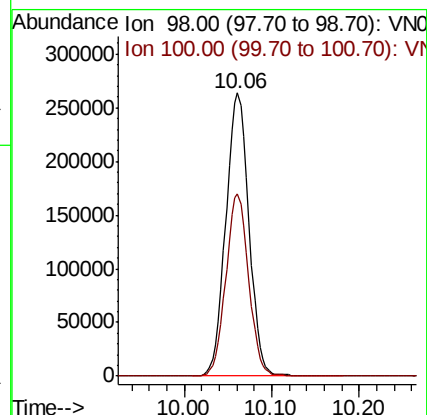
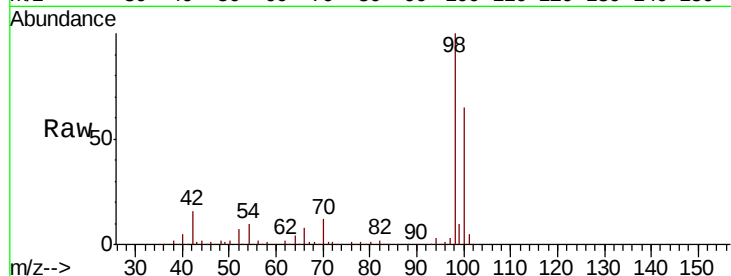
TT101D-20200922

Tot Ion: 98 Resp: 484721

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 52.111 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063639.D

Acq: 24 Sep 2020 19:28

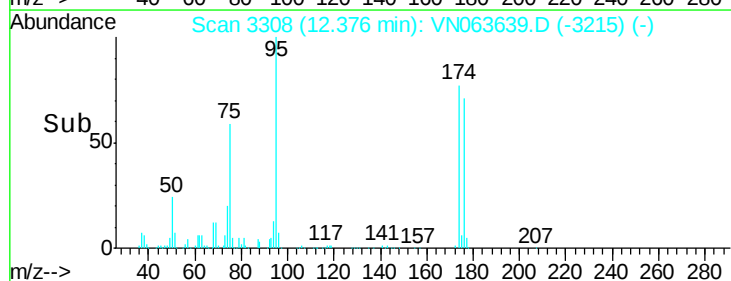
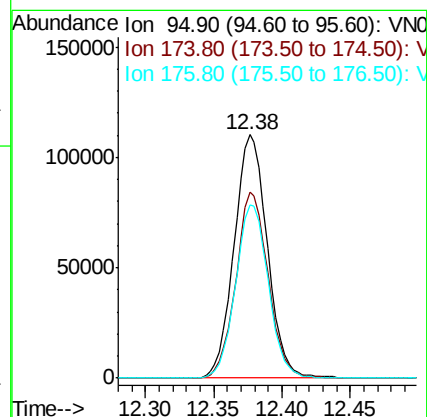
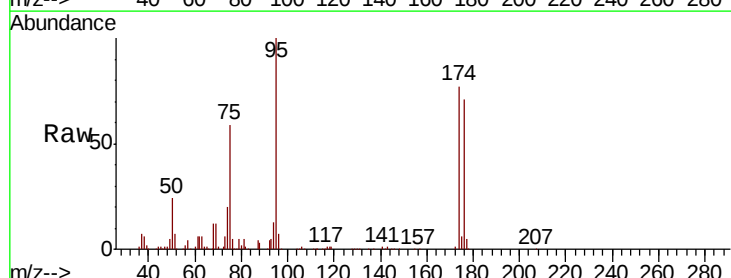
Tgt Ion: 95 Resp: 186232

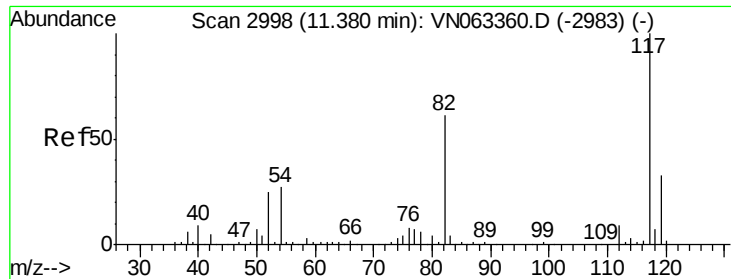
Ion Ratio Lower Upper

95 100

174 74.4 0.0 140.8

176 70.5 0.0 137.6

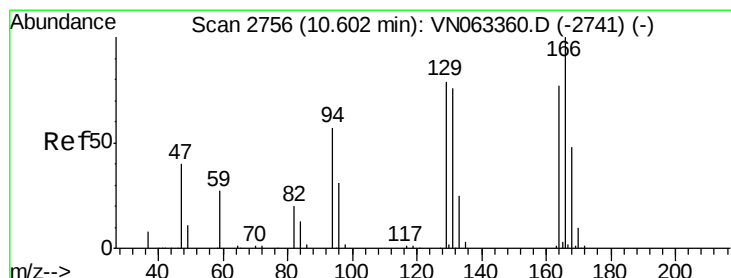
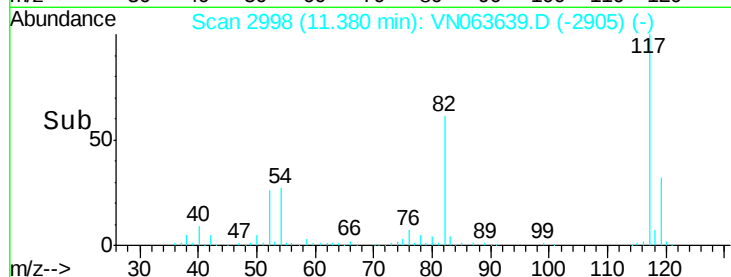
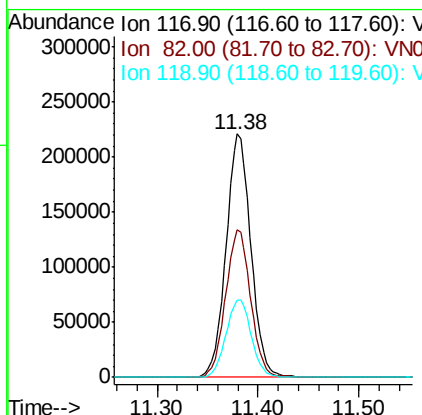
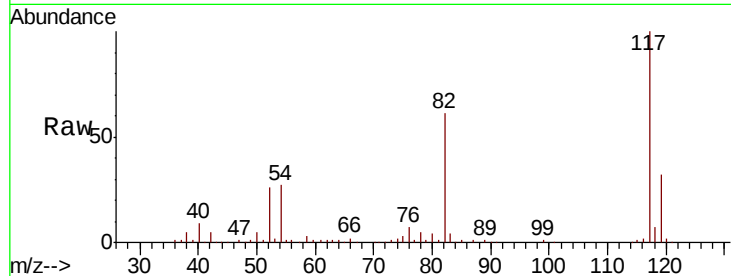




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063639.D
Acq: 24 Sep 2020 19:28

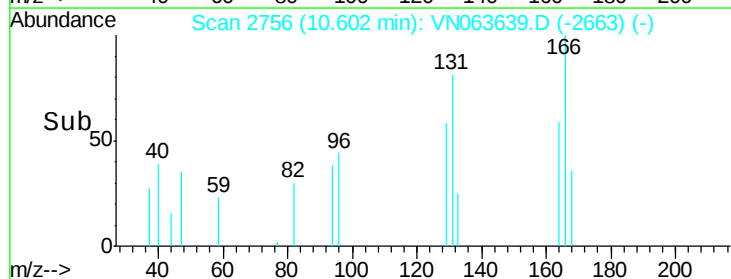
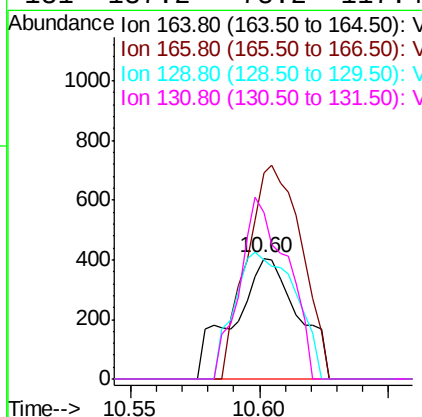
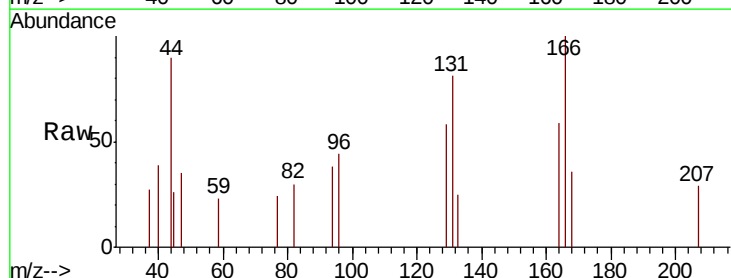
Instrument :
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TT101D-20200922

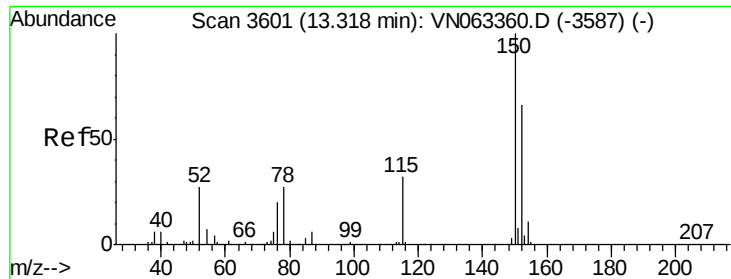
Tot Ion:117 Resp: 379566
Ion Ratio Lower Upper
117 100
82 60.7 49.2 73.8
119 31.9 26.2 39.4



#64
Tetrachloroethene
Concen: 0.272 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063639.D
Acq: 24 Sep 2020 19:28

Tgt Ion:164 Resp: 704
Ion Ratio Lower Upper
164 100
166 170.0 103.4 155.0#
129 98.8 81.8 122.6
131 137.2 78.2 117.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063639.D

Acq: 24 Sep 2020 19:28

Instrument :

MSVOA_N

ClientSampleId :

TT101D-20200922

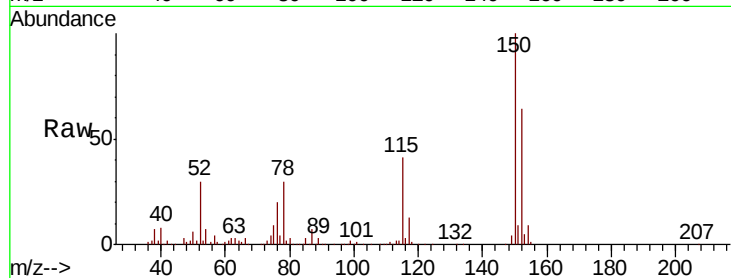
Tot Ion:152 Resp: 160369

Ion Ratio Lower Upper

152 100

115 63.5 32.2 96.6

150 155.3 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

