

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120820\
 Data File : VN064970.D
 Acq On : 8 Dec 2020 15:25
 Operator : JC/MD
 Sample : L4599-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20201203

Quant Time: Dec 08 16:16:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	166247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	313156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	318787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	105146	54.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	108.80%	
35) Dibromofluoromethane	7.55	113	97653	52.11	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	104.22%	
50) Toluene-d8	10.06	98	382369	49.94	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.38	95	143497	52.37	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	104.74%	

Target Compounds

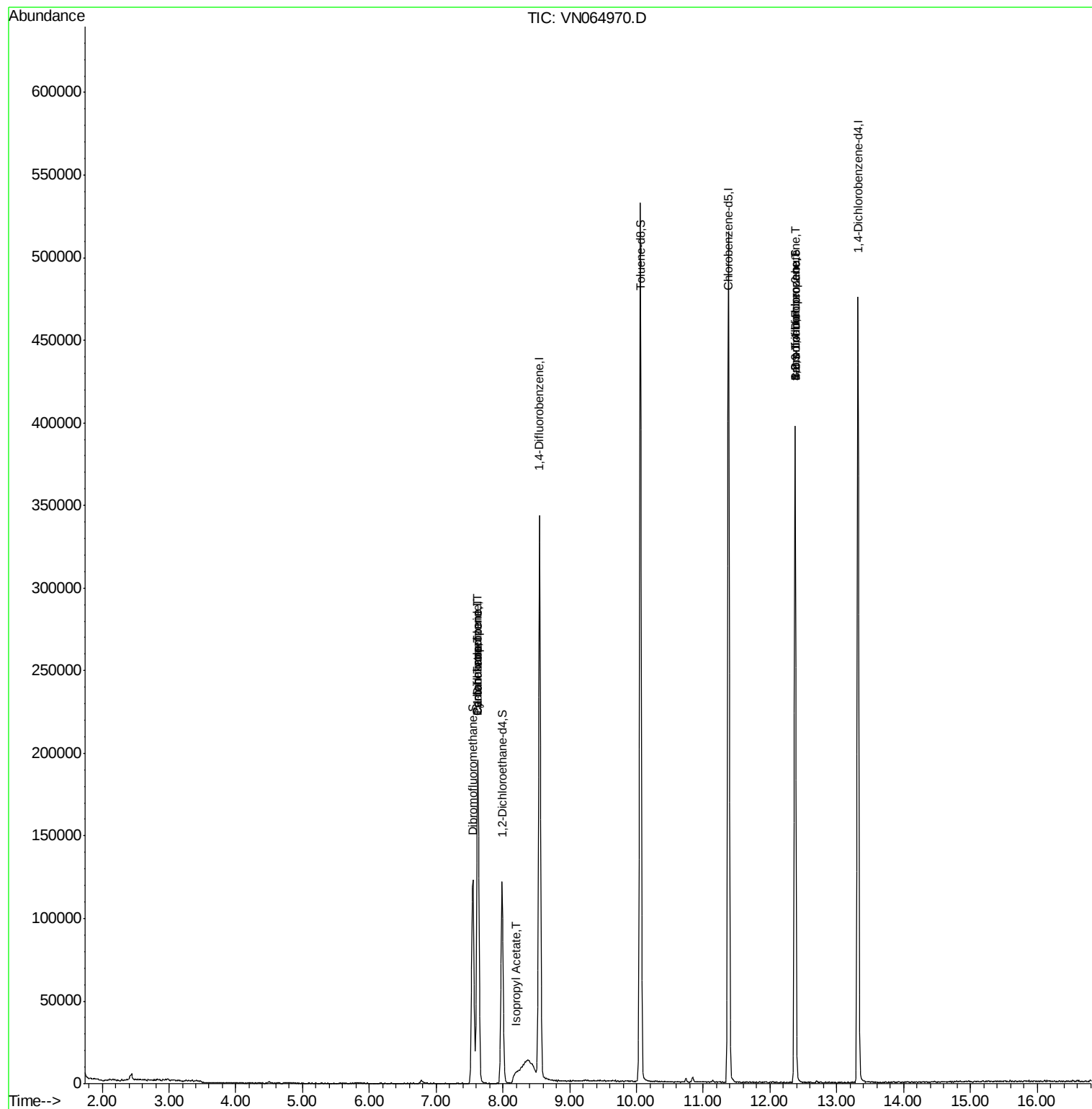
					Qvalue	
31) Cyclohexane	7.62	56	2806	1.042	ug/l #	2
36) 1,1-Dichloropropene	7.62	75	11583	3.990	ug/l #	47
38) Carbon Tetrachloride	7.63	117	15682	5.192	ug/l #	17
43) Isopropyl Acetate	8.20	43	8578	1.907	ug/l #	59
71) Bromoform	12.38	173	967	0.481	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	67963	22.953	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67963	62.910	ug/l #	15

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

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Sample : L4599-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20201203

Quant Time: Dec 08 16:16:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
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: VN064970.D

Acq: 8 Dec 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

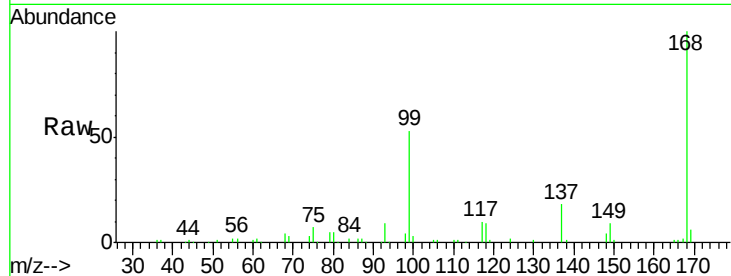
TT-TB-20201203

Tgt Ion:168 Resp: 166247

Ion Ratio Lower Upper

168 100

99 52.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

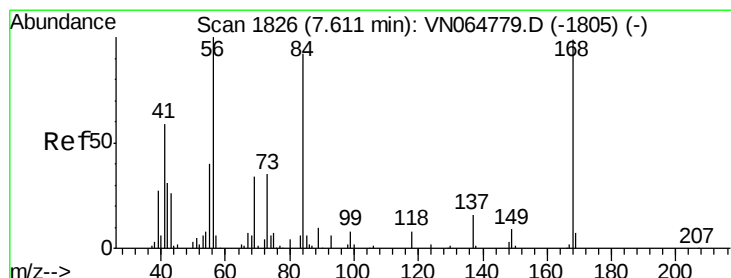
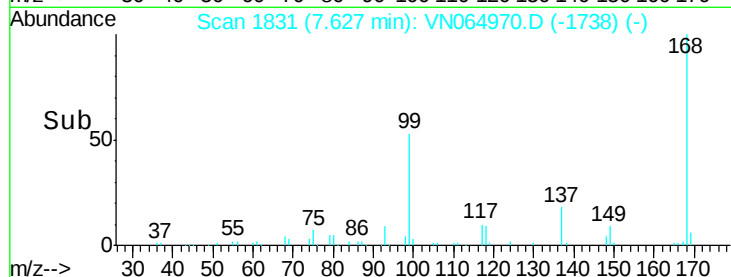
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#31

Cyclohexane

Concen: 1.042 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

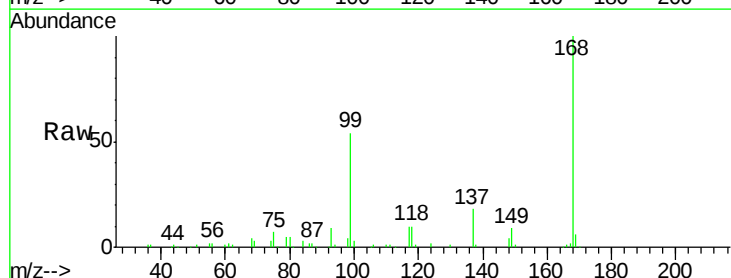
Tgt Ion: 56 Resp: 2806

Ion Ratio Lower Upper

56 100

69 173.2 27.5 41.3#

84 135.2 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

3000

2500

2000

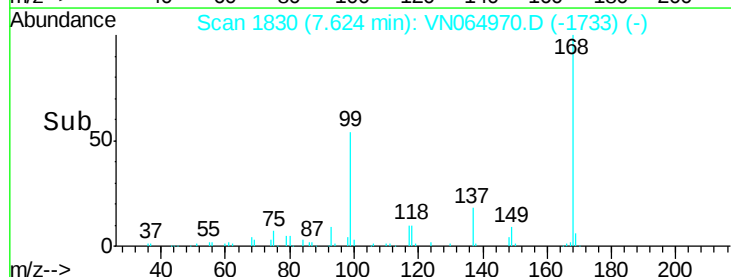
1500

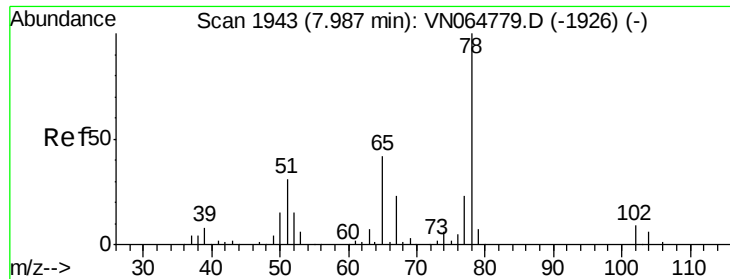
1000

500

0

Time--> 7.55 7.60 7.65





#33

1,2-Dichloroethane-d4

Concen: 54.403 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

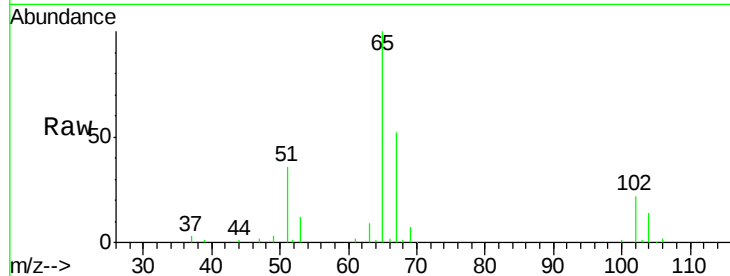
TT-TB-20201203

Tgt Ion: 65 Resp: 105146

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064970.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064970.D (-1850) (-)

7.98

50000

40000

30000

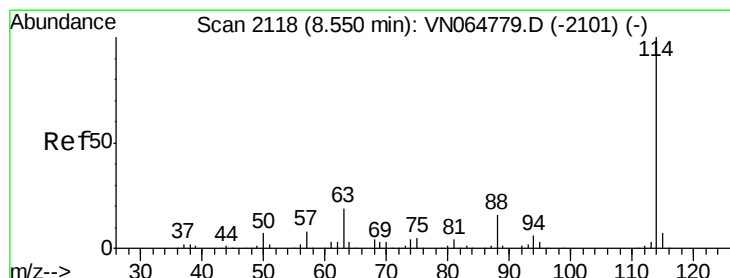
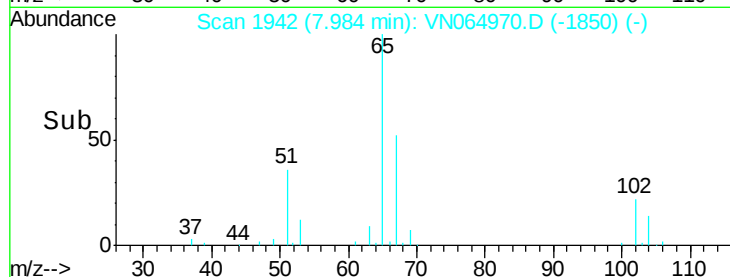
20000

10000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

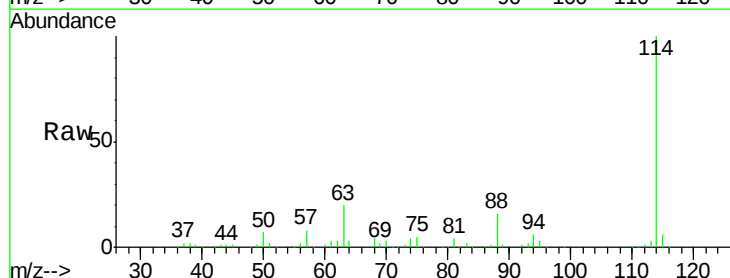
Tgt Ion: 114 Resp: 313156

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.6

88 15.5 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064970.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064970.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064970.D (-2025) (-)

8.55

200000

150000

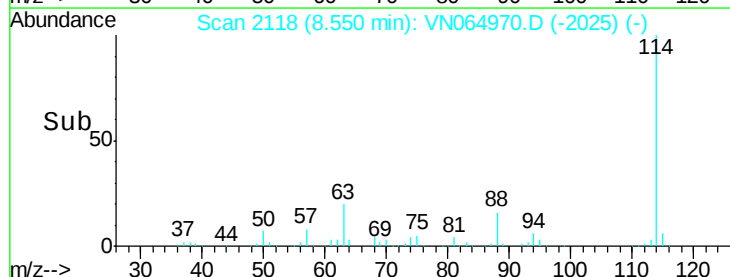
100000

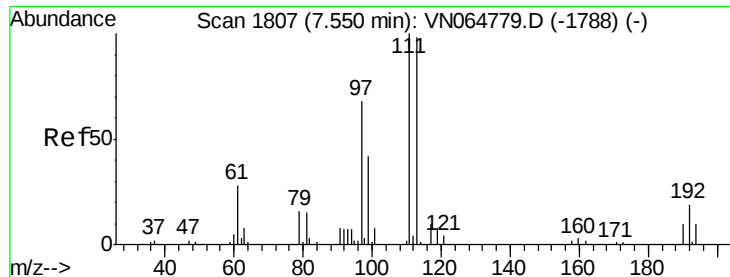
50000

0

Time-->

8.45 8.50 8.55 8.60 8.65

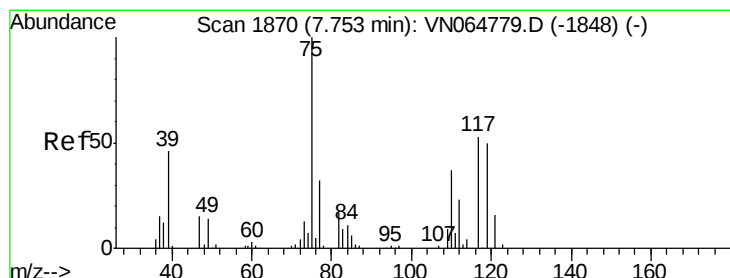
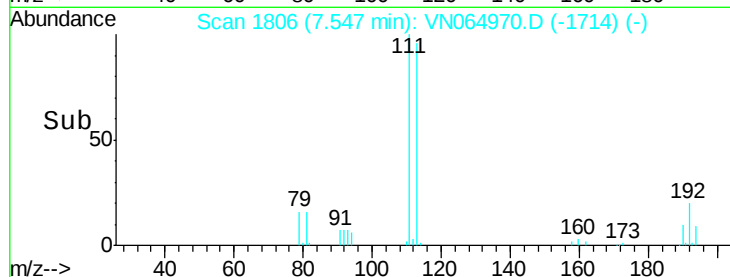
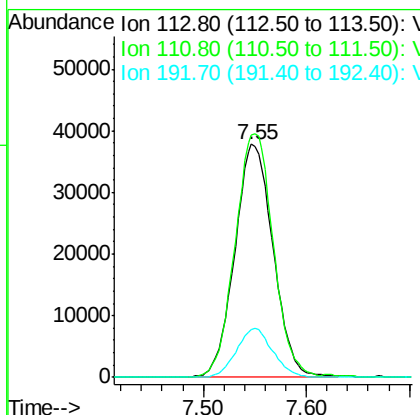
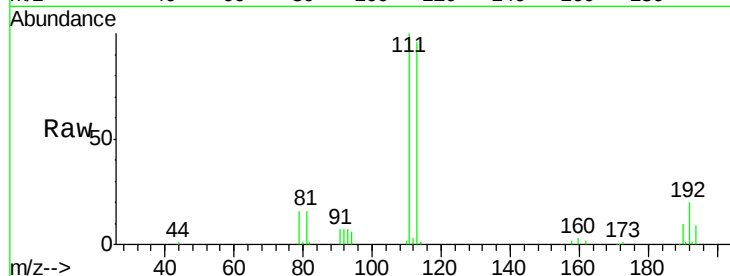




#35
 Dibromofluoromethane
 Concen: 52.114 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064970.D
 Acq: 8 Dec 2020 15:25

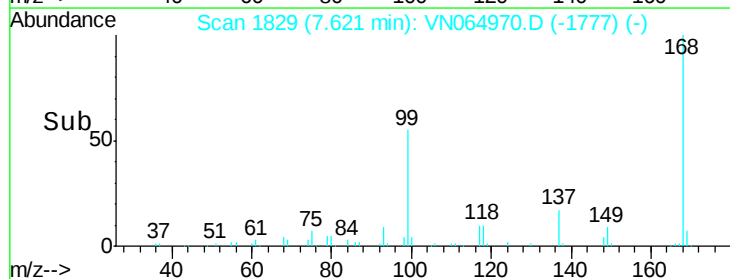
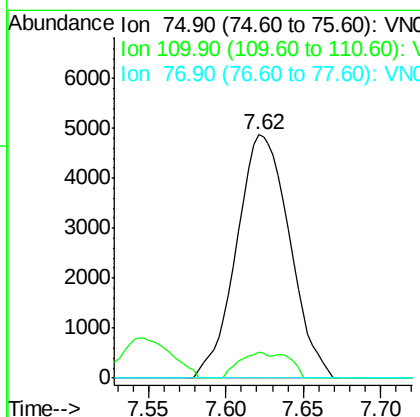
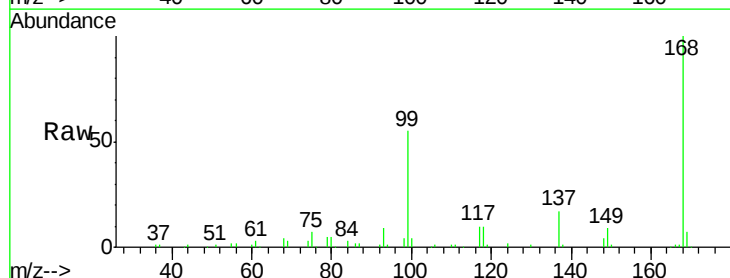
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20201203

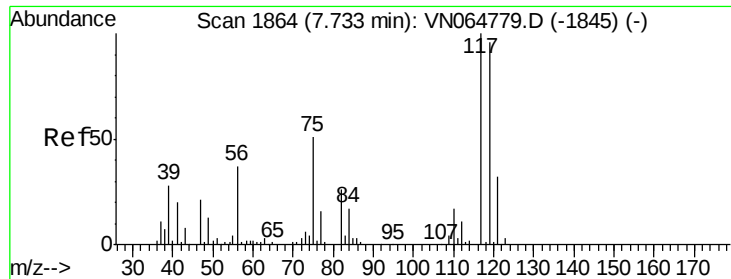
Tgt Ion: 113 Resp: 97653
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.6 122.4
 192 19.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 3.990 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064970.D
 Acq: 8 Dec 2020 15:25

Tgt Ion: 75 Resp: 11583
 Ion Ratio Lower Upper
 75 100
 110 6.7 17.8 53.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.192 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20201203

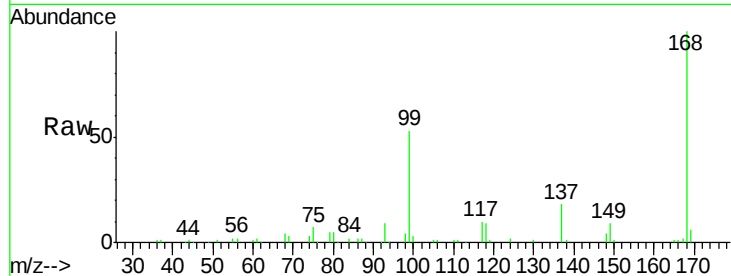
Tgt Ion:117 Resp: 15682

Ion Ratio Lower Upper

117 100

119 6.0 76.7 115.1#

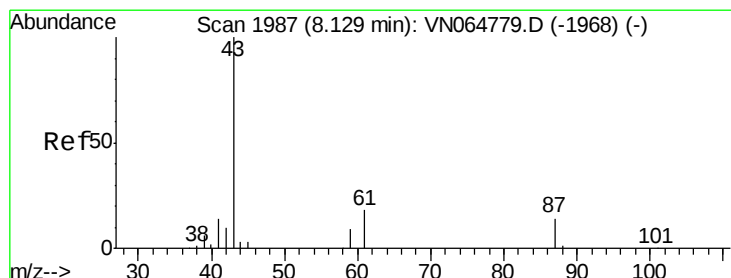
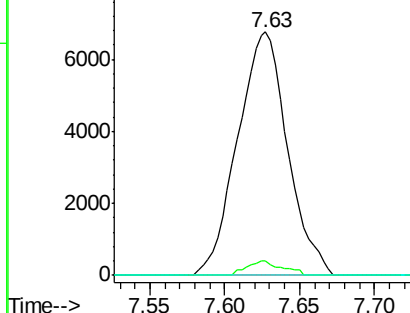
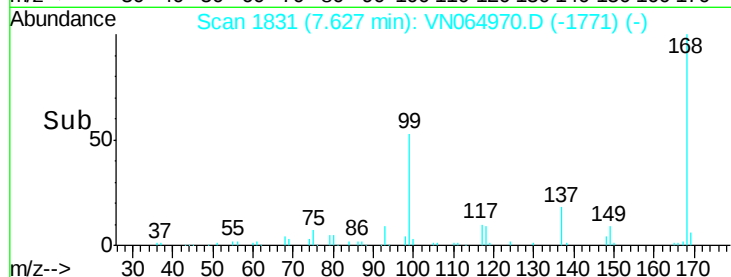
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.907 ug/l

RT: 8.20 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

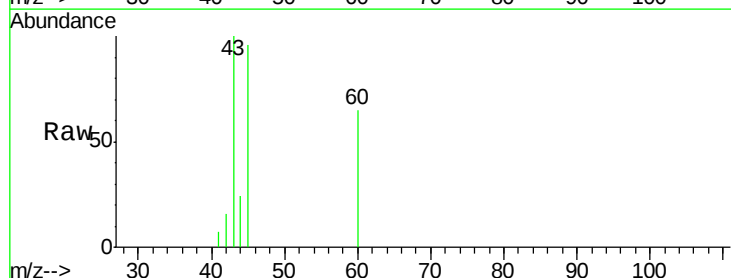
Tgt Ion: 43 Resp: 8578

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

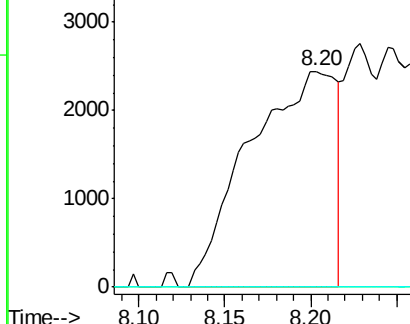
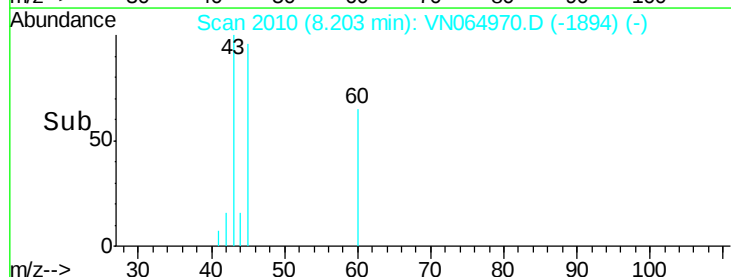
87 0.0 11.4 17.0#

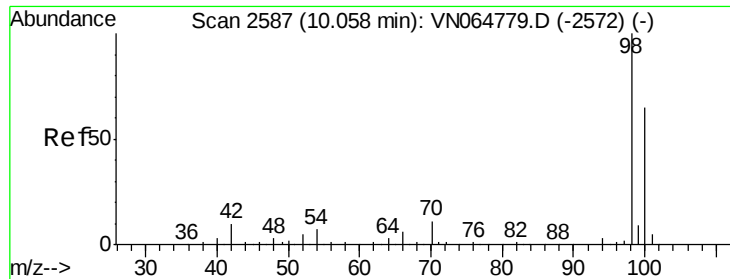


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.942 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

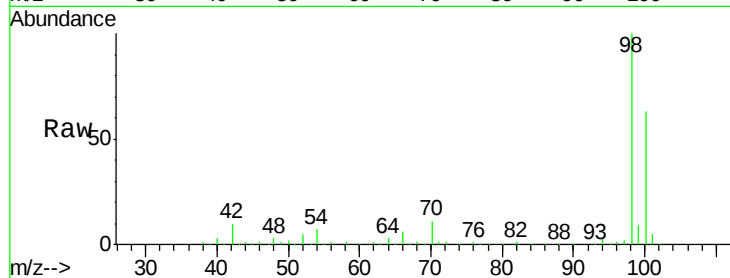
TT-TB-20201203

Tgt Ion: 98 Resp: 382369

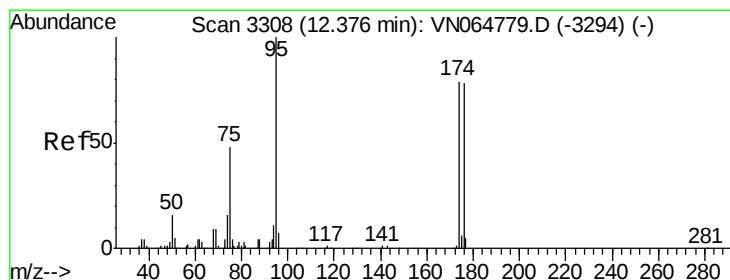
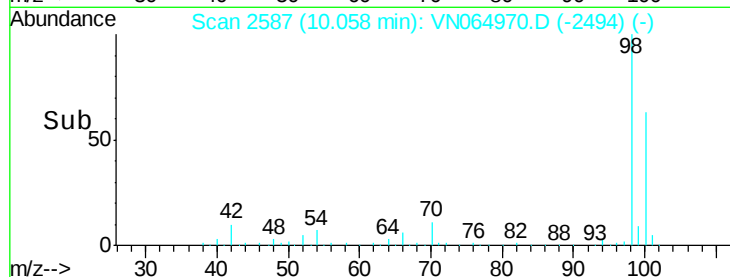
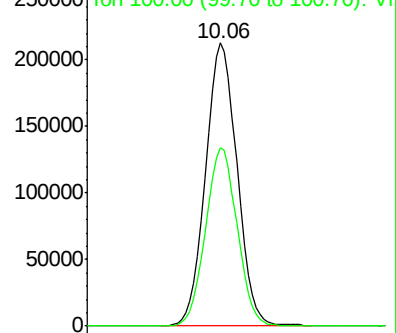
Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064970.D (-2494) (-)



#62

4-Bromofluorobenzene

Concen: 52.370 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

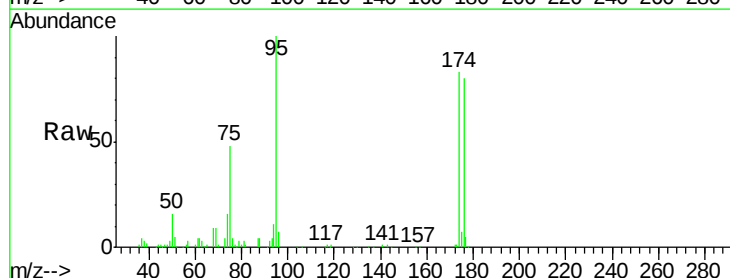
Tgt Ion: 95 Resp: 143497

Ion Ratio Lower Upper

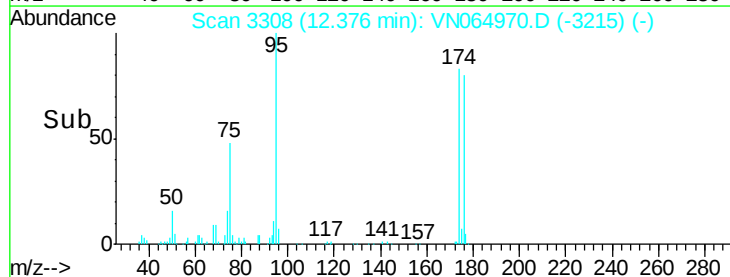
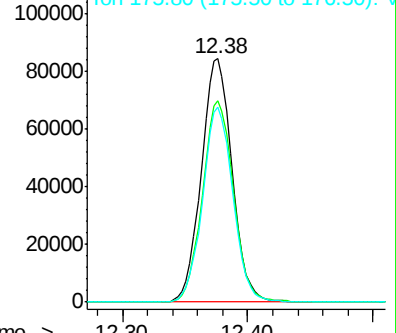
95 100

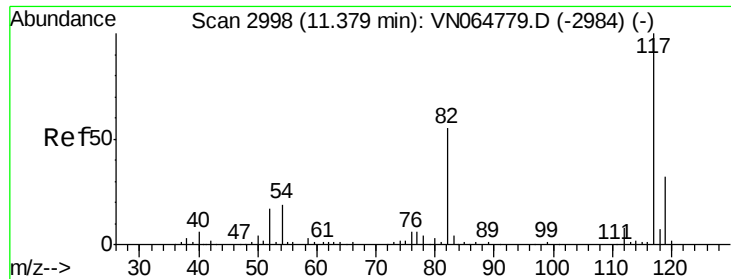
174 83.4 0.0 160.4

176 79.4 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064970.D (-3215) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

Instrument :

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ClientSampleId :

TT-TB-20201203

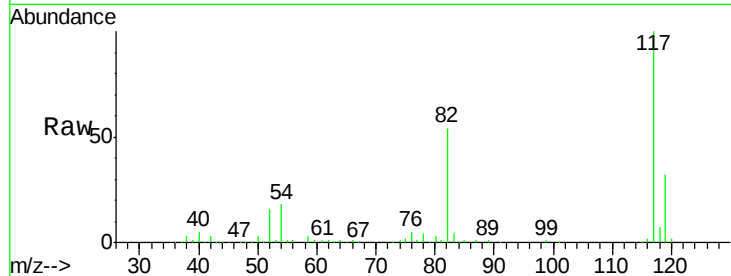
Tgt Ion:117 Resp: 318787

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

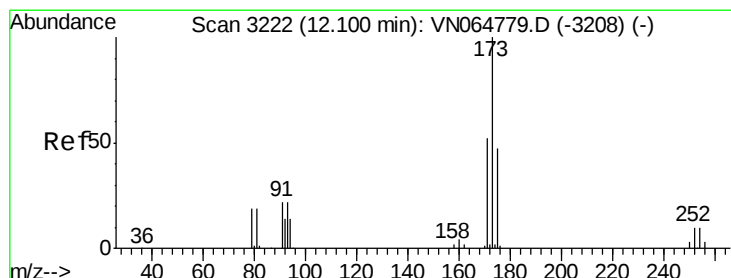
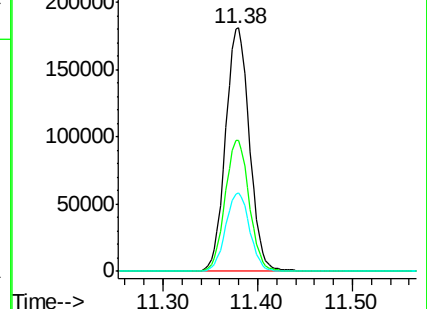
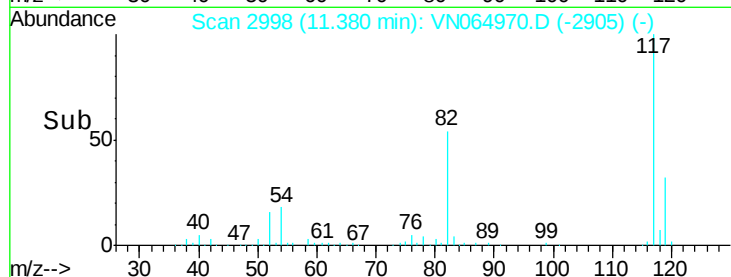
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.481 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

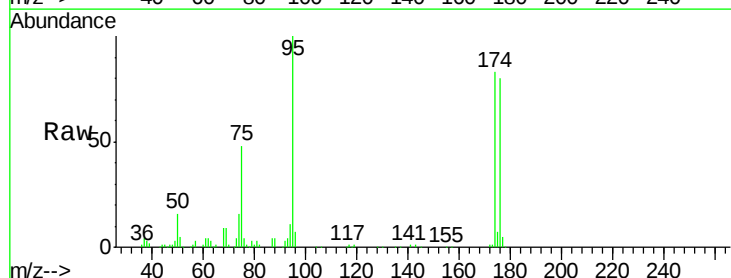
Tgt Ion:173 Resp: 967

Ion Ratio Lower Upper

173 100

175 845.1 24.3 72.8#

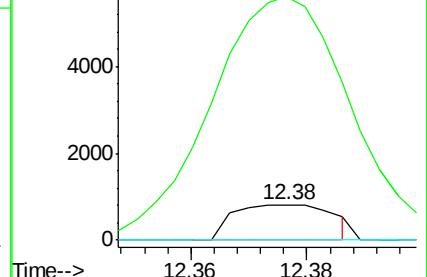
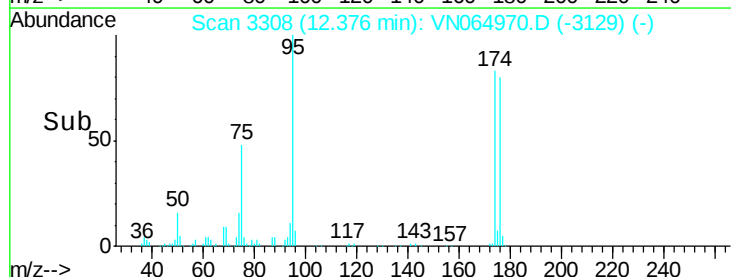
254 0.0 0.0 0.0

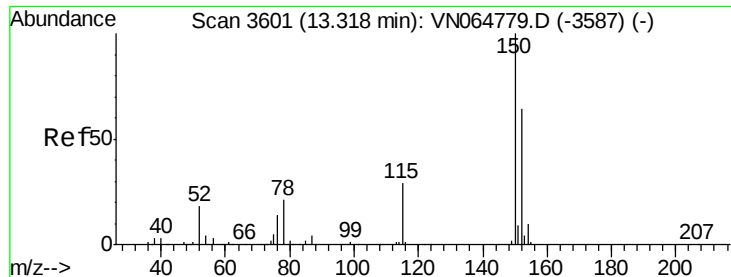


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN064970.D

Acq: 8 Dec 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20201203

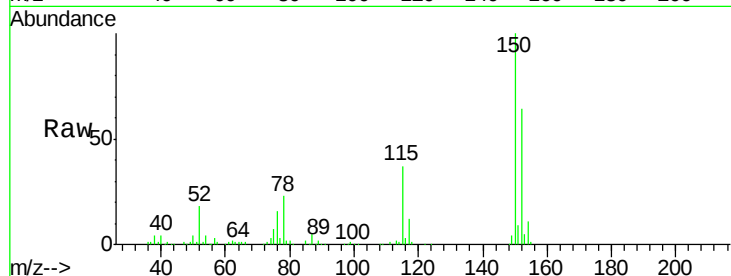
Tgt Ion:152 Resp: 137488

Ion Ratio Lower Upper

152 100

115 58.7 29.7 89.1

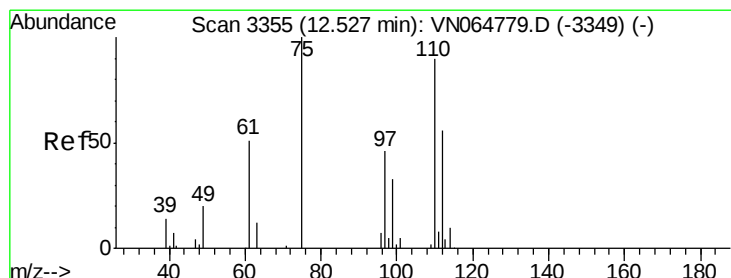
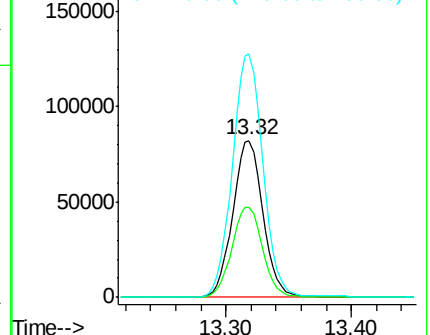
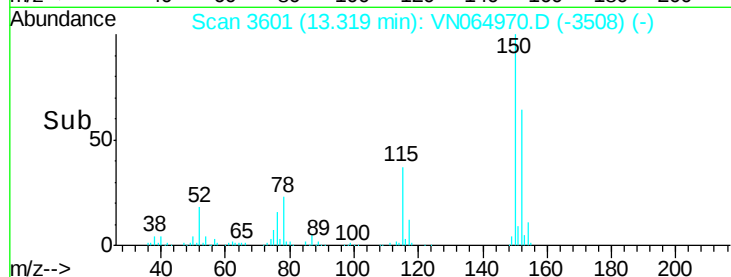
150 156.9 0.0 350.6



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



#76

1,2,3-Trichloropropane

Concen: 22.953 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064970.D

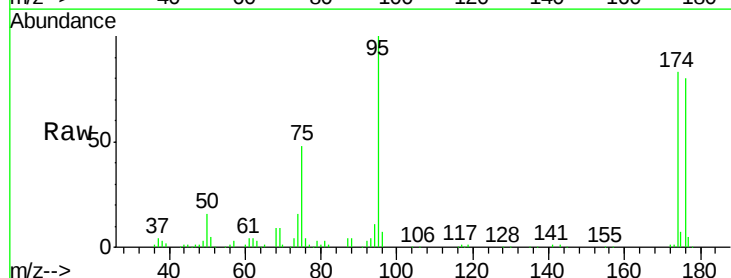
Acq: 8 Dec 2020 15:25

Tgt Ion: 75 Resp: 67963

Ion Ratio Lower Upper

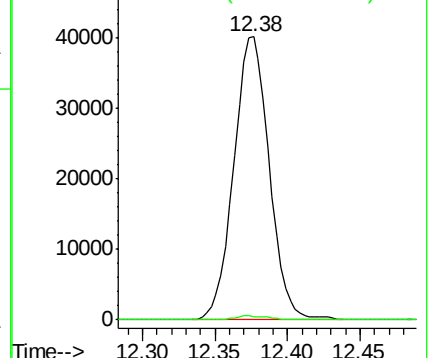
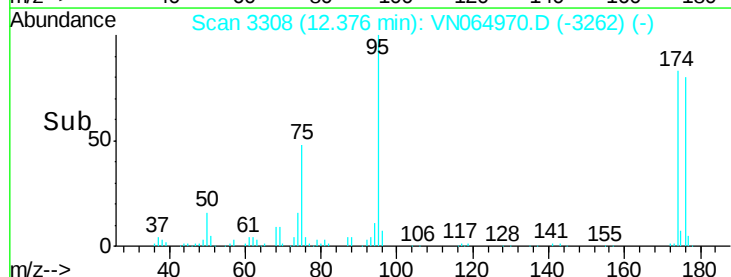
75 100

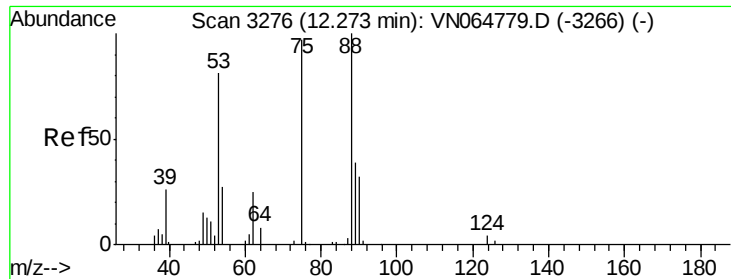
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 62.910 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064970.D

Acq: 8 Dec 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20201203

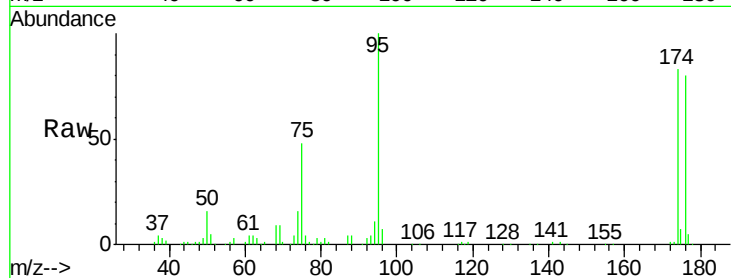
Tgt Ion: 75 Resp: 67963

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

