

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062071.D
 Acq On : 24 Jun 2020 18:36
 Operator : JC/MD
 Sample : L3077-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

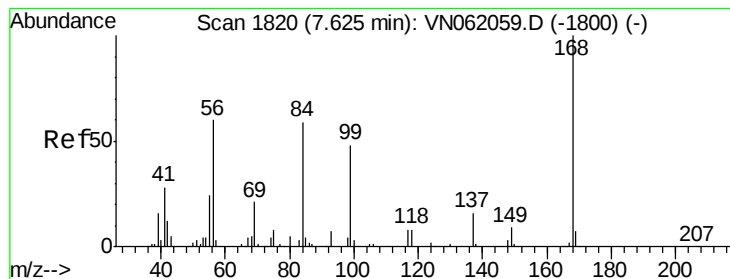
Quant Time: Jun 25 04:30:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	211560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	399315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	379754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	133268	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	154243	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	7.55	113	129582	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	10.06	98	501129	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.38	95	158448	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1113	Below Cal		99
16) Acetone	3.79	43	1658	Below Cal	#	86
20) Methylene Chloride	4.49	84	361	Below Cal	#	62
31) Cyclohexane	7.62	56	4798	1.170	ug/l #	7
36) 1,1-Dichloropropene	7.63	75	17450	4.348	ug/l #	48
38) Carbon Tetrachloride	7.63	117	21504	5.683	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	1948	0.615	ug/l #	1
71) Bromoform	12.38	173	1598	0.779	ug/l #	1
74) N-amyl acetate	11.80	43	62	3.358	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	81387	25.942	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	81387	75.761	ug/l #	13
95) Naphthalene	15.12	128	291	4.037	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

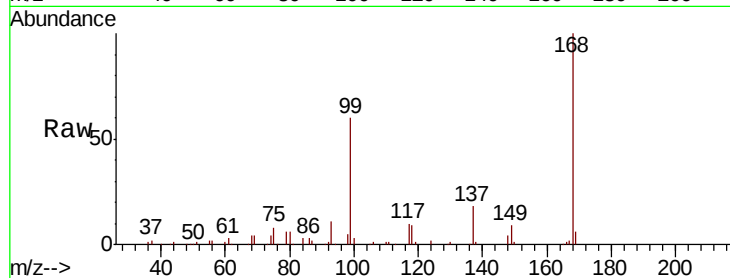
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 211560

Ion Ratio Lower Upper

168 100

99 60.0 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062059.D

Ion 98.90 (98.60 to 99.60): VN062059.D

7.63

100000

80000

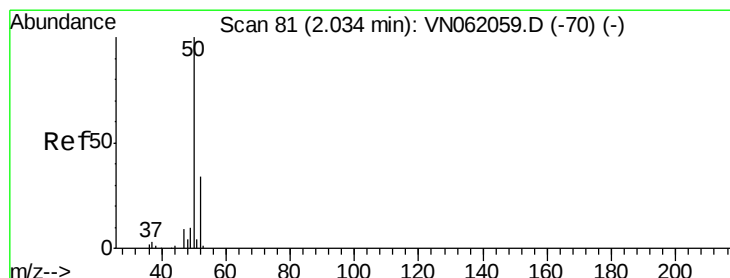
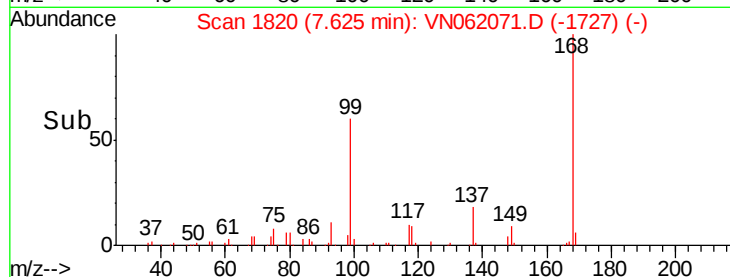
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062071.D

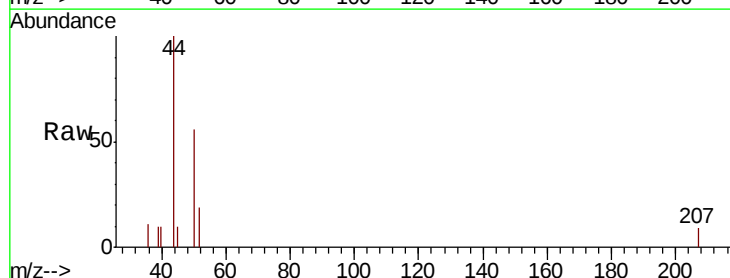
Acq: 24 Jun 2020 18:36

Tgt Ion: 50 Resp: 1113

Ion Ratio Lower Upper

50 100

52 33.2 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN062059.D

Ion 51.90 (51.60 to 52.60): VN062059.D

2.03

1000

800

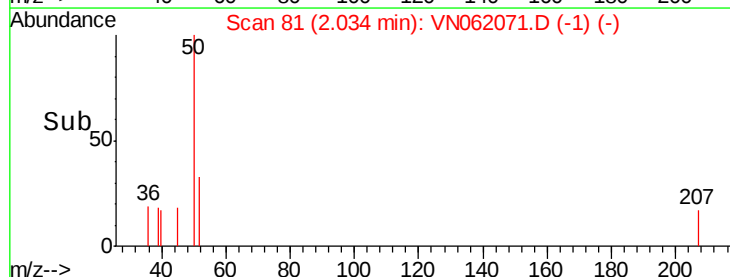
600

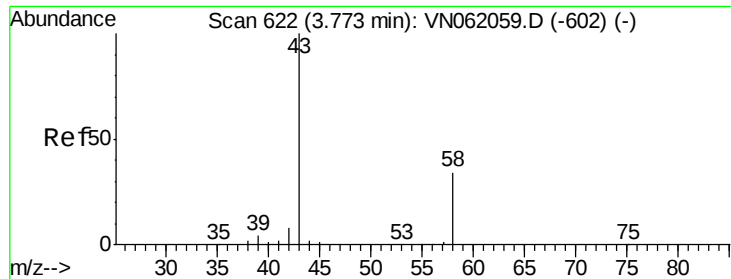
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.02 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

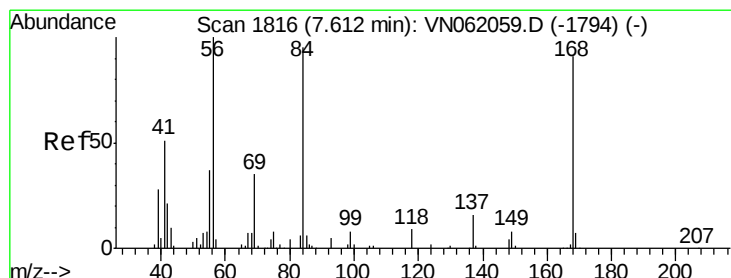
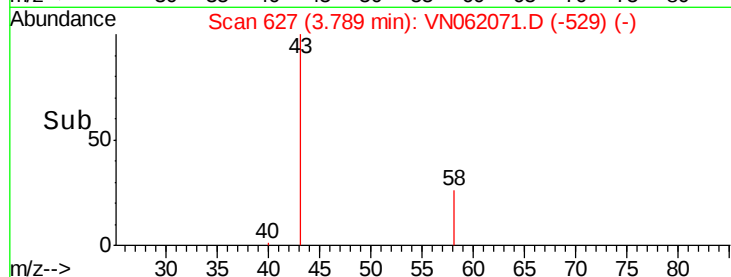
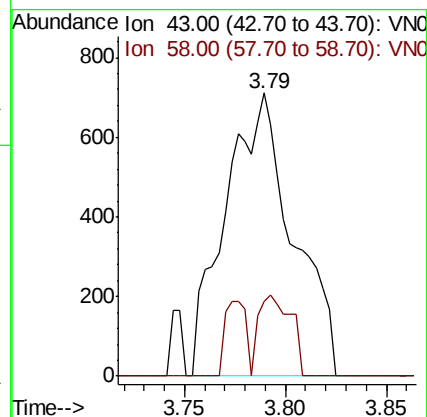
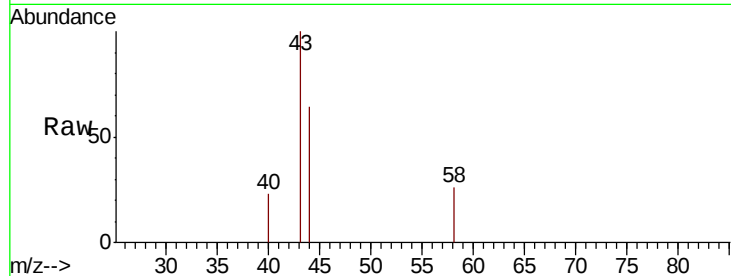
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1658

Ion Ratio Lower Upper

43 100

58 26.4 27.5 41.3#



#31

Cyclohexane

Concen: 1.170 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

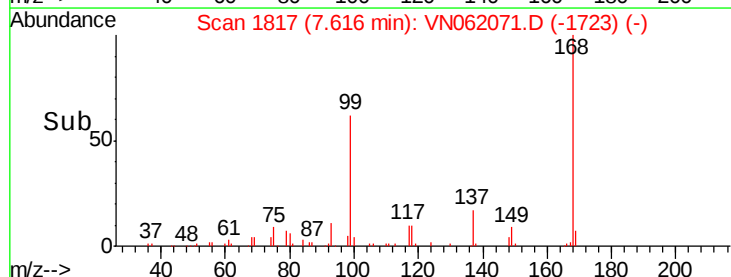
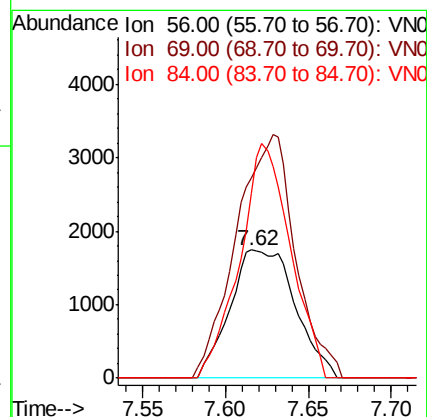
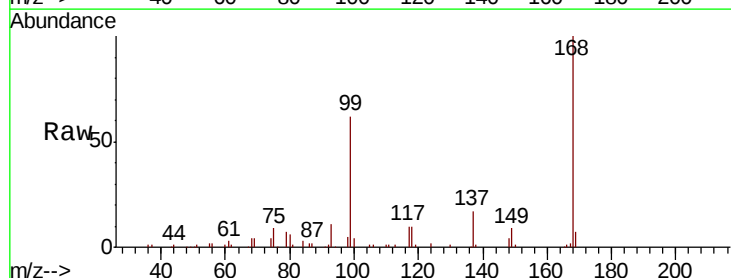
Tgt Ion: 56 Resp: 4798

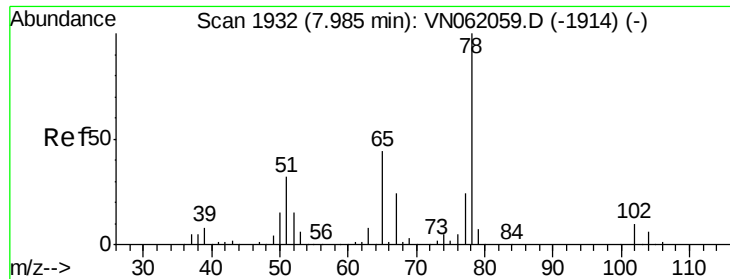
Ion Ratio Lower Upper

56 100

69 155.8 28.0 42.0#

84 144.5 76.1 114.1#

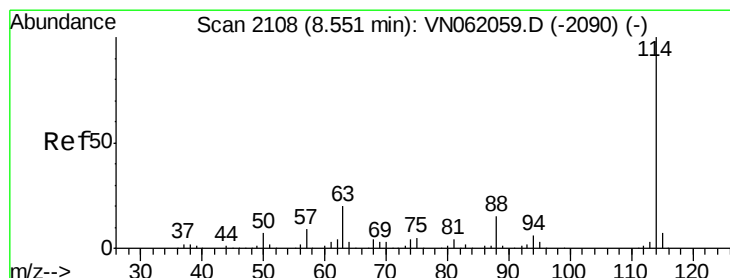
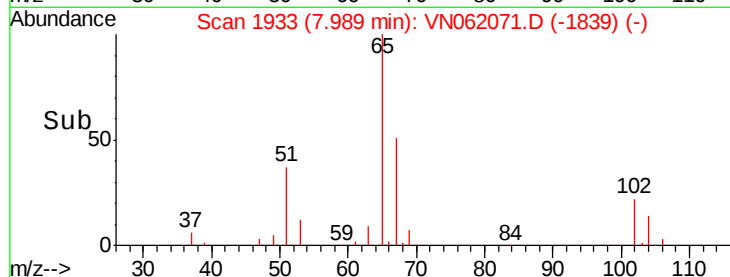
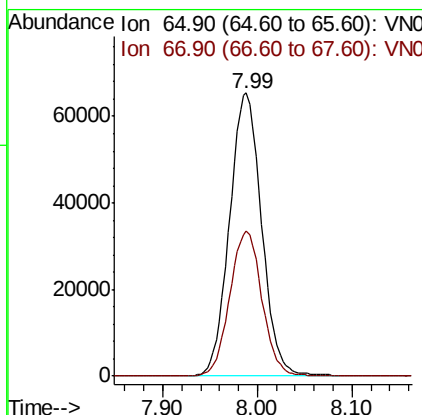
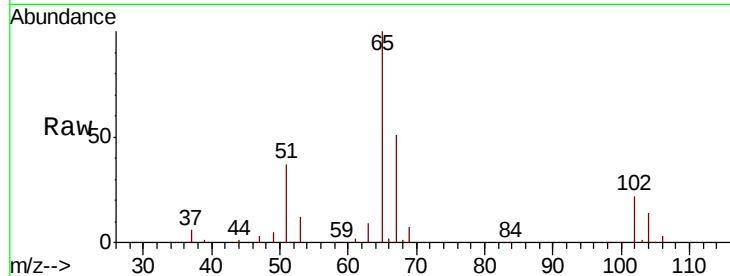




#33
 1,2-Dichloroethane-d4
 Concen: 51.953 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062071.D
 Acq: 24 Jun 2020 18:36

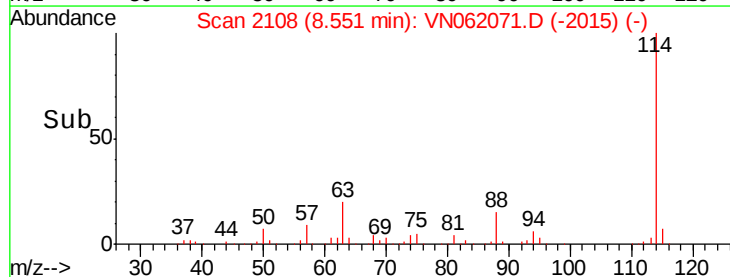
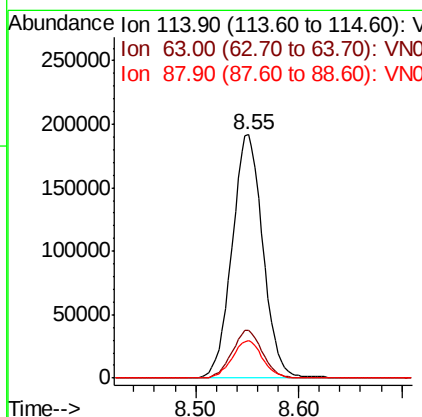
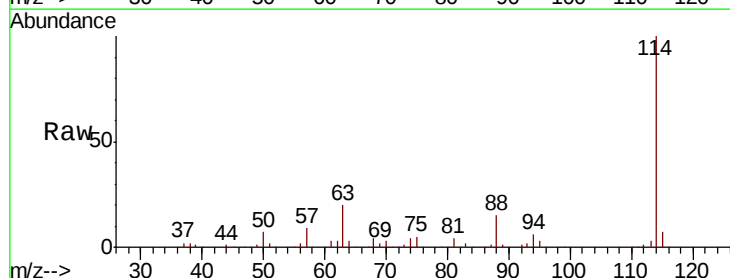
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

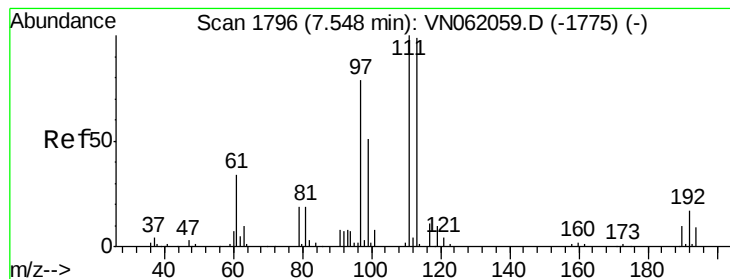
Tot Ion: 65 Resp: 154243
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062071.D
 Acq: 24 Jun 2020 18:36

Tgt Ion: 114 Resp: 399315
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.582 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

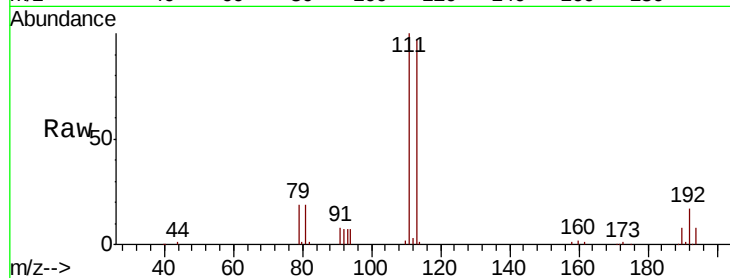
Tot Ion:113 Resp: 129582

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

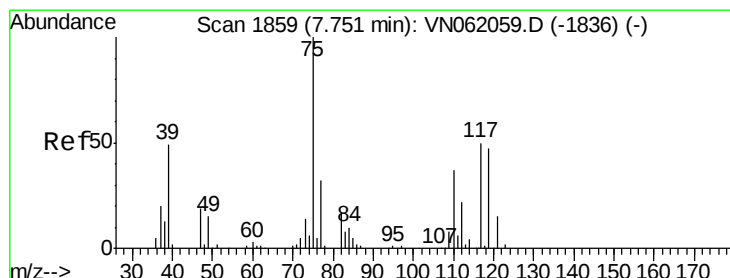
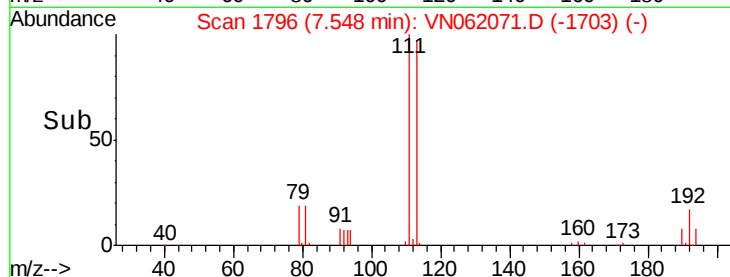
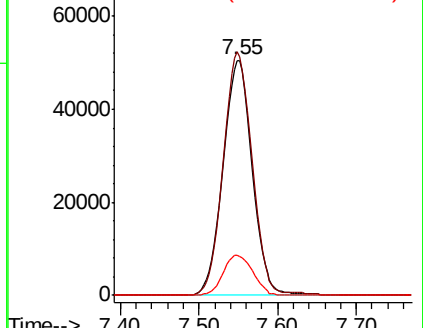
192 17.3 14.0 21.0



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



#36

1,1-Dichloropropene

Concen: 4.348 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

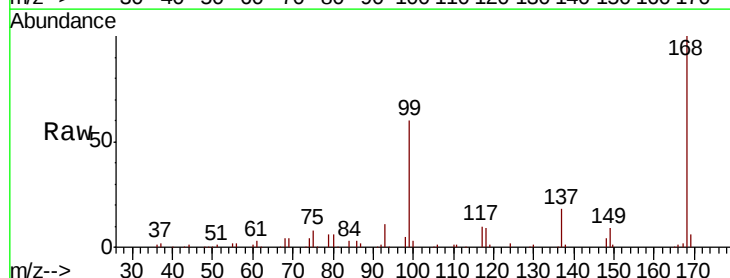
Tgt Ion: 75 Resp: 17450

Ion Ratio Lower Upper

75 100

110 7.7 17.9 53.8#

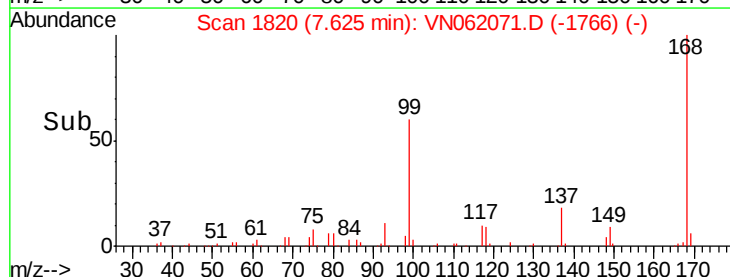
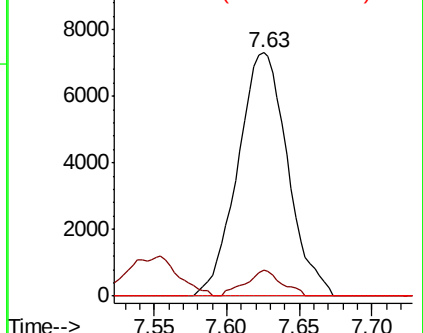
77 0.0 24.9 37.3#

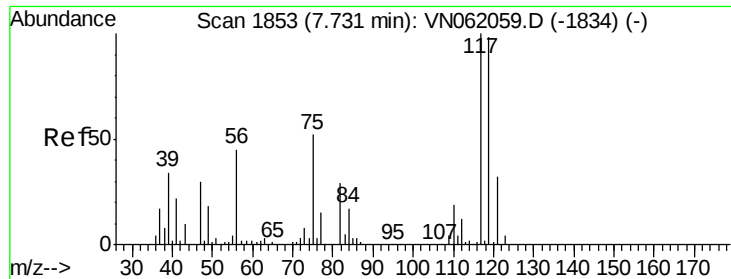


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.683 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

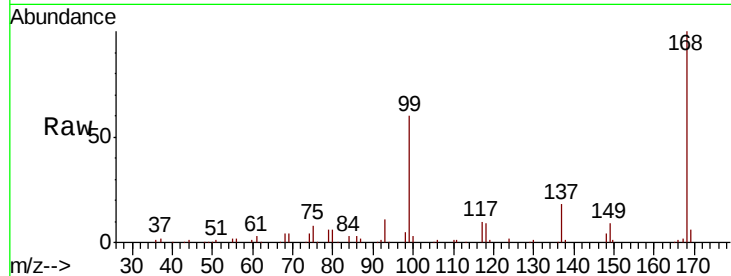
Tot Ion:117 Resp: 21504

Ion Ratio Lower Upper

117 100

119 6.7 78.2 117.2#

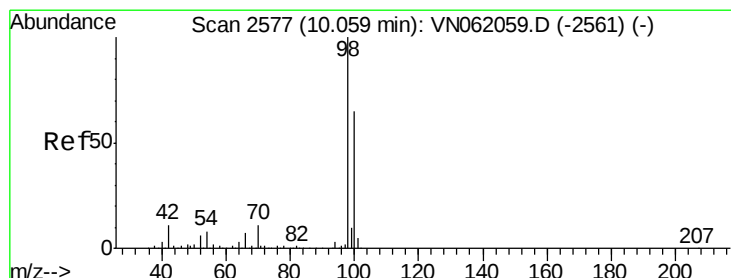
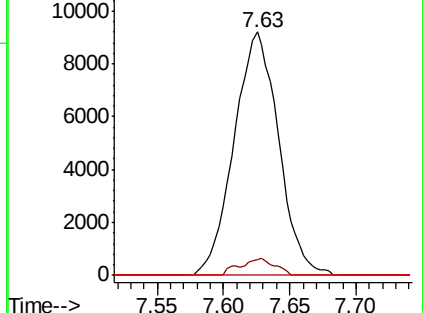
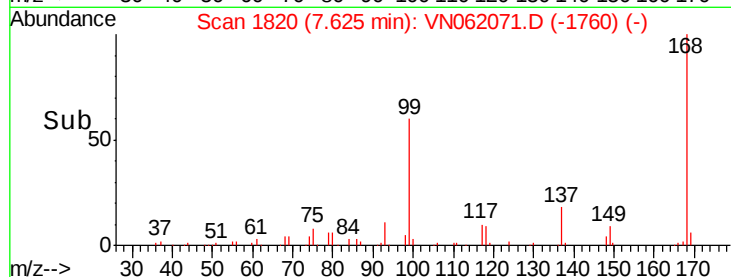
121 0.0 25.8 38.6#



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



#50

Toluene-d8

Concen: 48.937 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062071.D

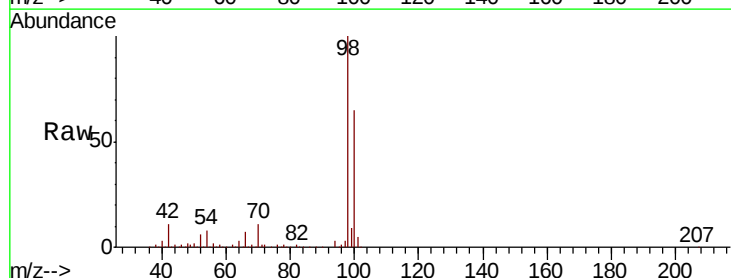
Acq: 24 Jun 2020 18:36

Tgt Ion: 98 Resp: 501129

Ion Ratio Lower Upper

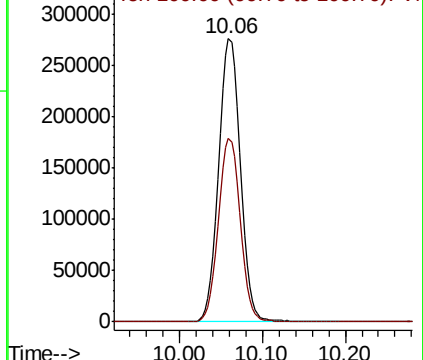
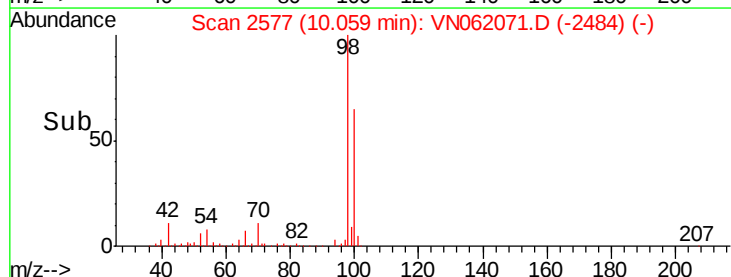
98 100

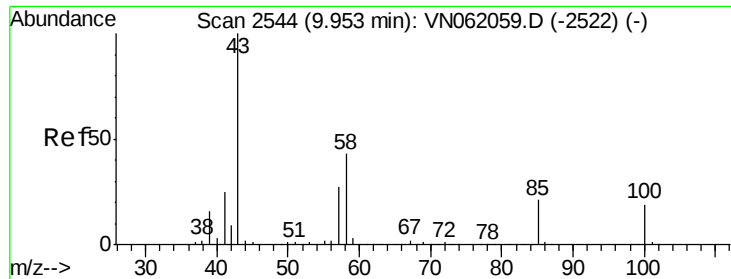
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

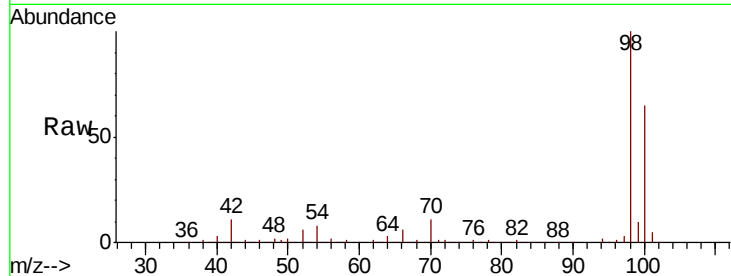




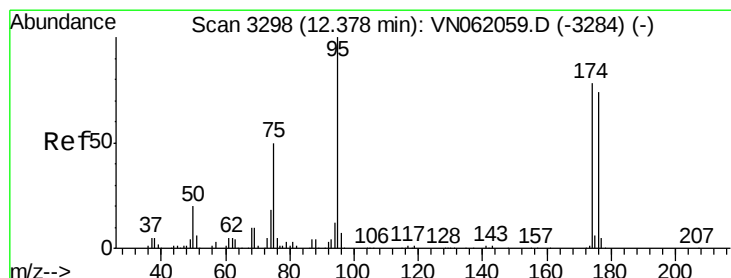
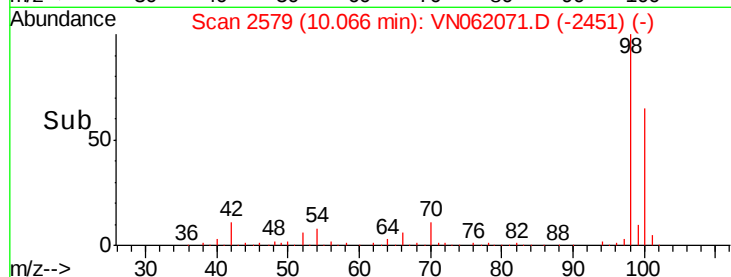
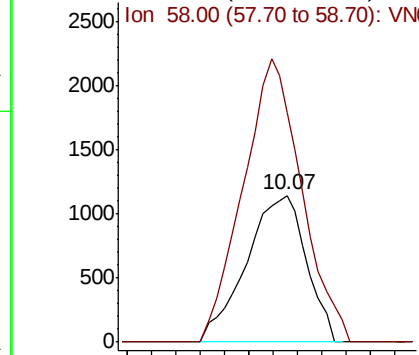
#51
 4-Methyl-2-Pentanone
 Concen: 0.615 ug/l
 RT: 10.07 min Scan# 2579
 Delta R.T. 0.11 min
 Lab File: VN062071.D
 Acq: 24 Jun 2020 18:36

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1948
 Ion Ratio Lower Upper
 43 100
 58 188.4 34.2 51.2#

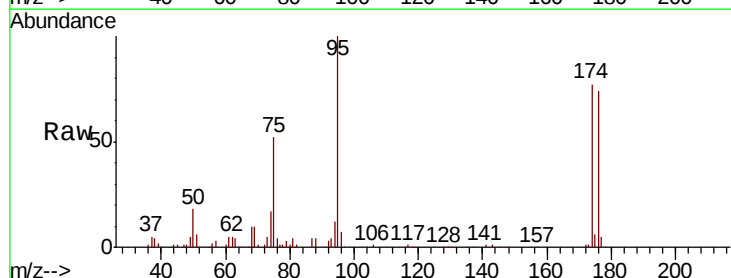


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

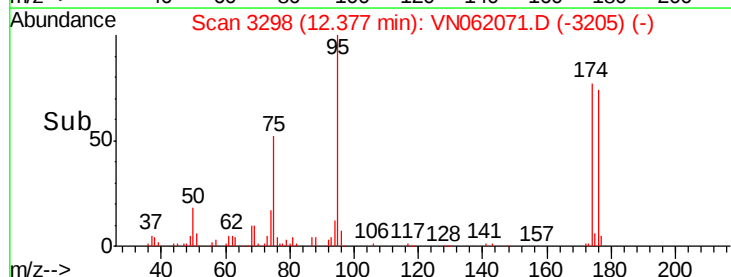
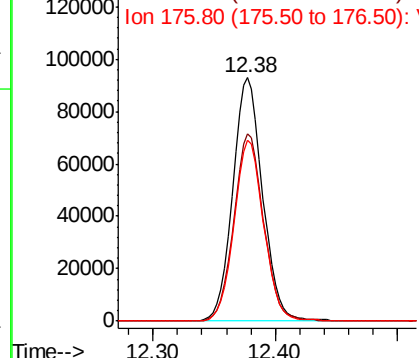


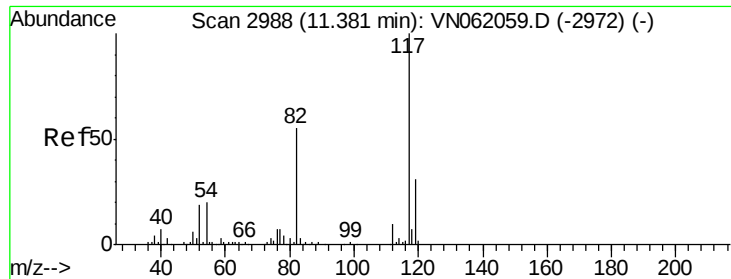
#62
 4-Bromofluorobenzene
 Concen: 45.797 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062071.D
 Acq: 24 Jun 2020 18:36

Tgt Ion: 95 Resp: 158448
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 154.8
 176 73.9 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

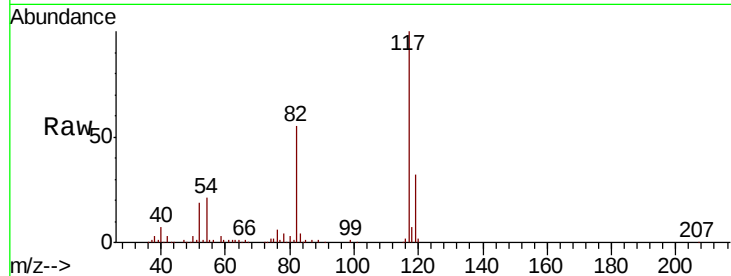
Tot Ion:117 Resp: 379754

Ion Ratio Lower Upper

117 100

82 55.4 43.8 65.8

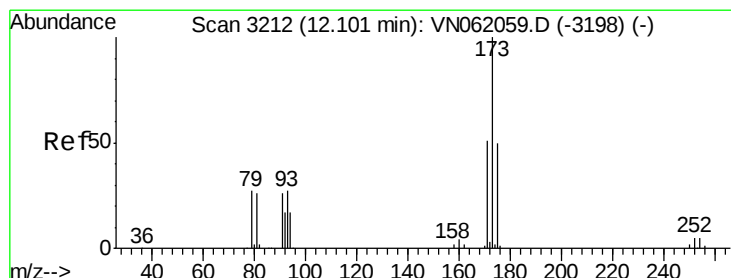
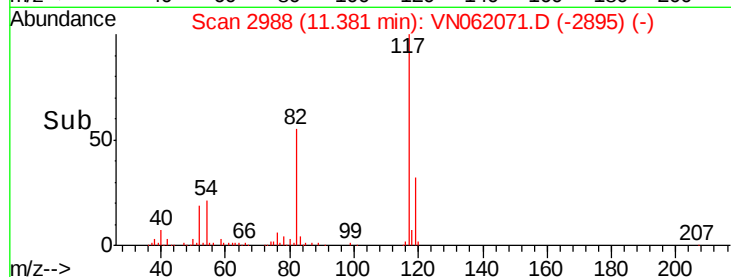
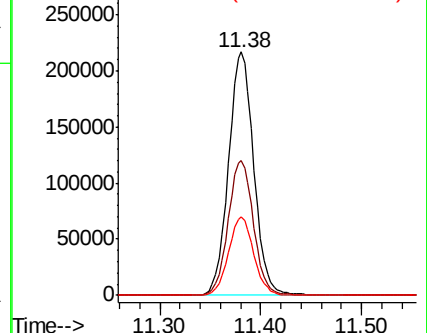
119 32.4 25.2 37.8



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



#71

Bromoform

Concen: 0.779 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

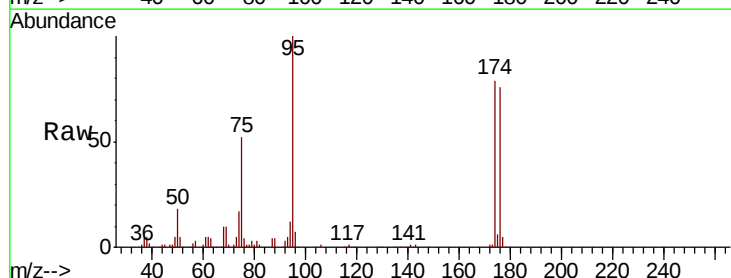
Tgt Ion:173 Resp: 1598

Ion Ratio Lower Upper

173 100

175 478.7 24.7 74.1#

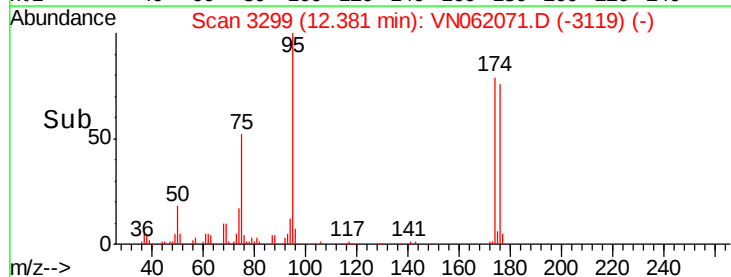
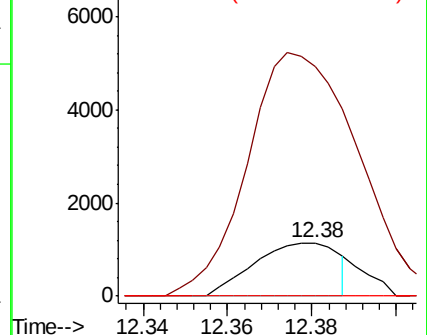
254 0.0 0.0 0.0

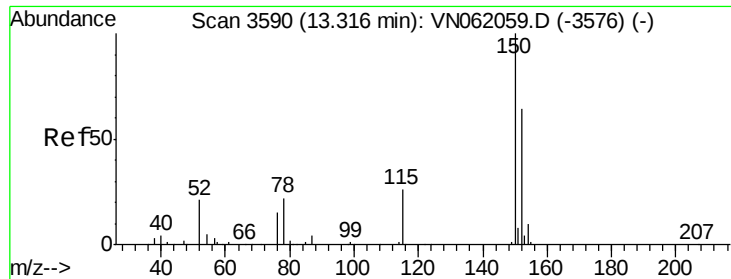


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3591

Delta R.T. 0.00 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

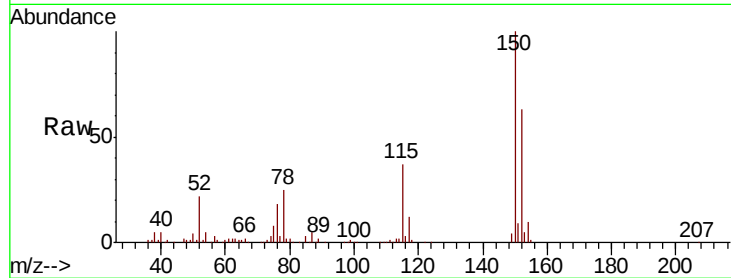
Tot Ion:152 Resp: 133268

Ion Ratio Lower Upper

152 100

115 60.2 29.5 88.5

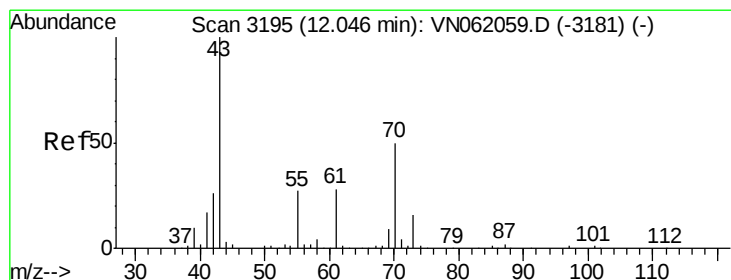
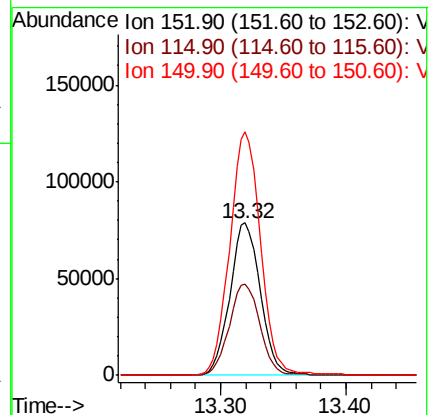
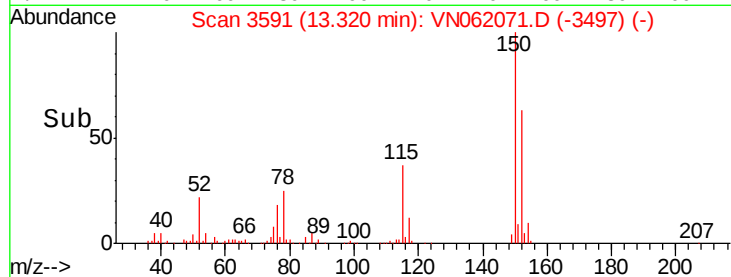
150 160.9 0.0 351.4



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



#74

N-ethyl acetate

Concen: 3.358 ug/l

RT: 11.80 min Scan# 3118

Delta R.T. -0.25 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

Tgt Ion: 43 Resp: 62

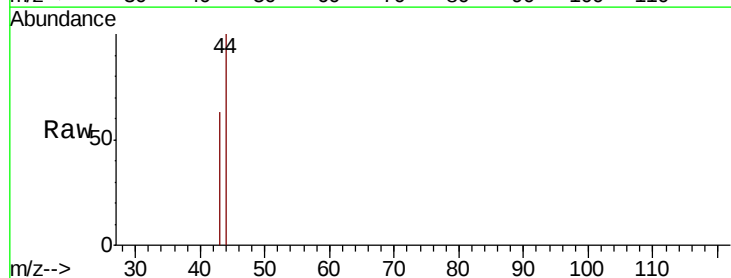
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

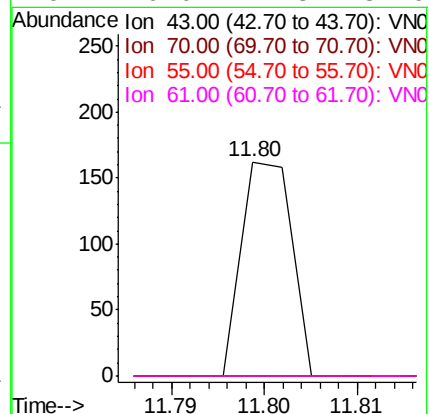
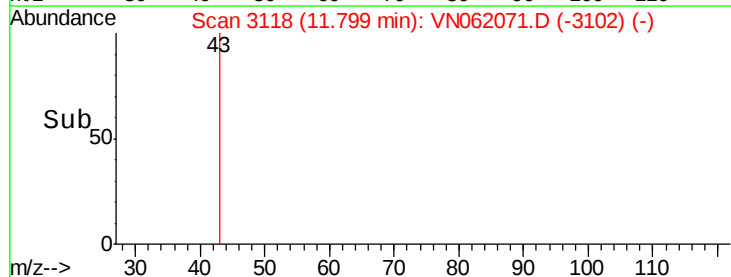


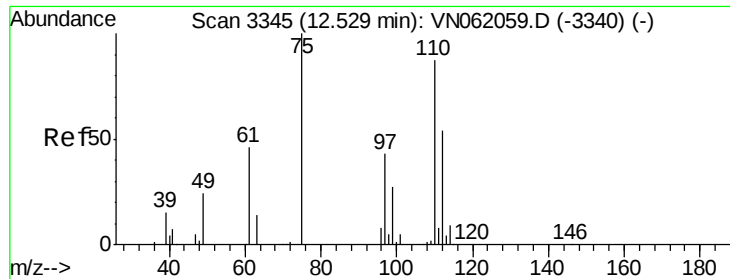
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.942 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

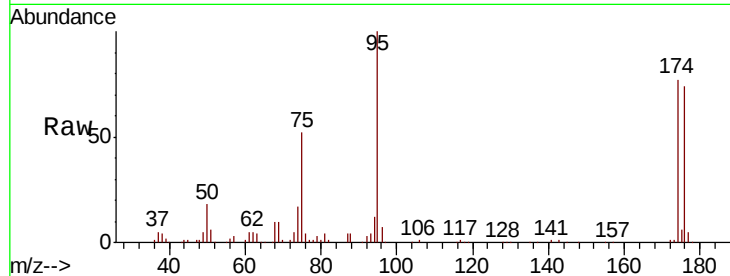
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 81387

Ion Ratio Lower Upper

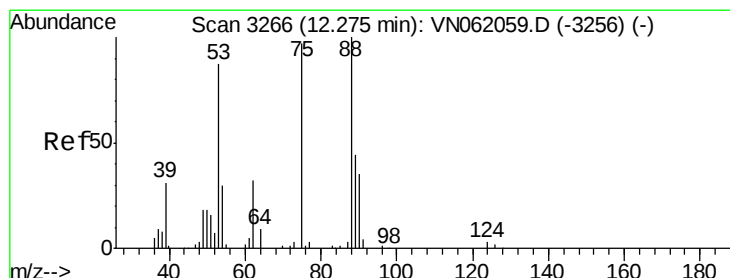
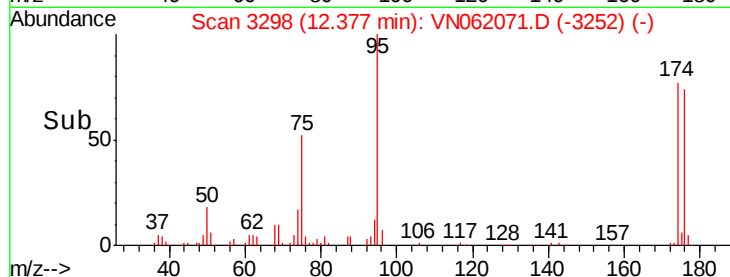
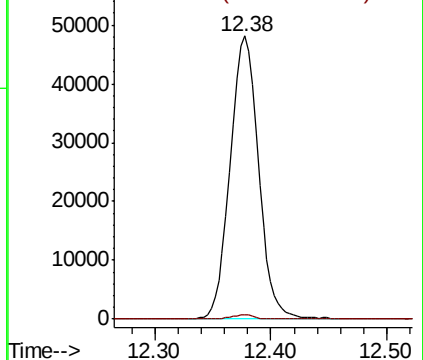
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.761 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062071.D

Acq: 24 Jun 2020 18:36

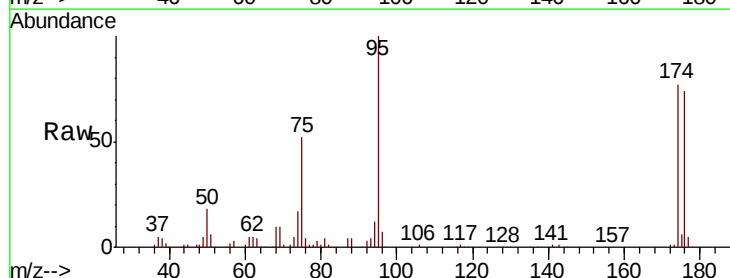
Tgt Ion: 75 Resp: 81387

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

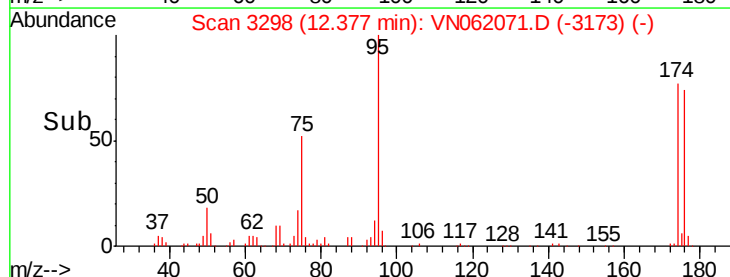
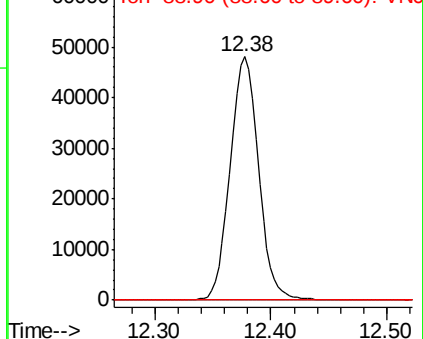
89 0.0 36.9 55.3#

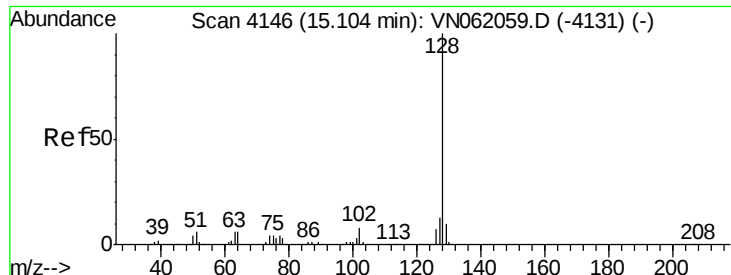


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 4.037 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN062071.D

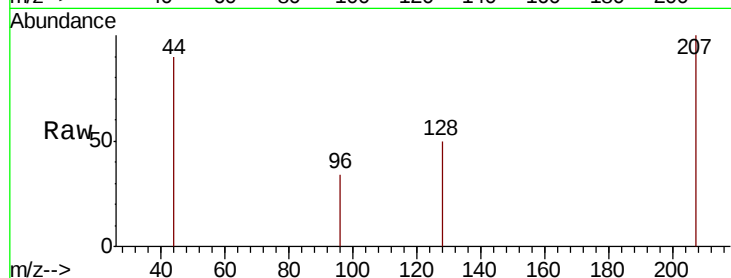
Acq: 24 Jun 2020 18:36

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA



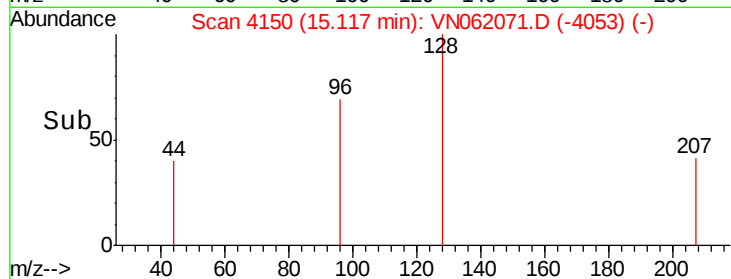
Tot Ion:128 Resp: 291

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

